2012 COURSE CATALOG



November 7 - 11, 2012 Norfolk Waterside Marriott Norfolk, Virginia





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*Note - Classes are arranged by day, time and track to better help you plan your schedule. Cover Photo Credit: Wayne T. Berry

THANK YOU SPONSORS!

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- Physio-Control

Virginia Department of Health

- Children's Hospital of Richmond
- State EMS Advisory Board
- Virginia Emergency

- Eastern Virginia Medical

Virginia EMS for Children

Nurses Association

- School
- Virginia Department of Fire Programs

VCU Medical Center

Norfolk Fire/Rescue

Registration Information

Registration Deadline - October 5, 2012

Virginia EMS Symposium registration deadline is Friday, October 5, 2012 at 5 p.m. A worksheet in the center of this catalog will help you choose your classes by day, time, category and area to help fulfill your necessary credit hours (see Symposium Course/ Area quick reference sheet.) You can register online at a reduced fee or transfer your class selections to the symposium registration form on pages 4 - 6 and send it to the EMS Symposium Office.

Virginia EMS Symposium Office 2704 Cottage Cove Drive Richmond, VA 23233-3318

Registration will close on the 5th or when 1,800 participants are registered, which ever comes first. Please keep this in mind and register early! Classes fill up quickly.

How to Register

Please use one form per registrant and be sure to fill out both sides of the form and indicate your class choices clearly on the second side of the sheet.

Online- Registering online will save you money! The full registration form is cheaper when you register online, not to mention it is quick and easy to use. While utilizing our online option, you must pay by credit card and provide your e-mail address. Please do not mail or fax your registration if you have already registered online. Once you click "submit," a confirmation letter will immediately appear. This is your receipt and lists the classes you have chosen. You should print this letter and bring it with you to Symposium. There will be no other email confirmation sent unless you request changes be made to your classes. If this letter does not appear, you have not been successfully registered and must try again. Please visit www.vdh.virginia.gov/ oems to register online. There will also be a copy of your course confirmation in your packet at the Symposium.

Mail- To mail your registration form, you can use the registration sheet provided

on pages 4 - 6 of this catalog or download the registration sheet from our web site. When registering through the mail, you can pay by check (made payable to "EMS Symposium") or include your credit card information on your registration form. Payment must be included to successfully register. Please send all registration forms and payments to the address displayed in the first column of this page. You will receive a registration confirmation, which will include your registration information and course selection through e-mail, if provided. Otherwise, you will receive a confirmation letter in the mail.

Fax- To fax your registration form, download the registration sheet from our web site, write your name on each page and fax only one-sided documents to ensure we receive your complete registration. While utilizing our fax option, you must pay by credit card and your information must be included on the fax. Please fax your registration form to (206) 309-0956. You will receive a confirmation including registration information and course selection through e-mail, if provided. Otherwise, you will receive a confirmation letter in the mail. You must pre-register to attend symposium. On-site registration is not allowed.

Registration Questions

If you have questions about your registration or did not receive your confirmation, please call (804) 364-0530 or toll free (888) 364-0530 for assistance.

Payment

Cash payments will not be accepted.

Credit Card- If you pay with your credit card, you can register online, through the mail or fax it directly to (206) 309-0956. Be sure to include all information. Please remember that if you want to register online or by fax, you have to pay with credit card.

Check- If you pay by check, you have to register through the mail. Your check and registration must be received at the same time. Please make all checks payable to

"EMS Symposium" and mail to the address displayed on this page.

Governmental Agencies

Local, state and federal agencies may pay for one or more individuals by purchase order on governmental letterhead. To receive the online discount, use your government credit card. You must mail or fax the purchase order with the completed registration form for each person being registered. *Please do not forget to submit one registration packet per person*. If an agency would like a separate confirmation letter sent to a specific individual, please provide the name and email address of that person. Otherwise, it will be sent to the mailing address provided.

Changes to Your Registration

To make changes to your classes or registration information after submitting your registration, you must contact Linda Ramsey by e-mail at linda@ramseymanagement.com, fax (206) 309-0956 or telephone (804) 364-0530 or toll free (888) 364-0530.

Additional Fees

Please be careful to read the full descriptions of the courses you are registering for. Some courses include an additional fee to cover additional materials or costs of providing the course. This extra fee is noted in the description of the course, as well as on the registration page. Payment is necessary upon registration.

On-Site Check-In Times

Below are the hours that registration will be open during the 2012 EMS Symposium.

Tuesday, November 6, 2012 7 p.m. - 9 p.m. Wednesday, November 7, 2012 7 a.m. - 8 p.m. Thursday, November 8, 2012 7 a.m. - 6 p.m. Friday, November 9, 2012 7 a.m. - 5 p.m.

General Information

Lodging

Norfolk Waterside Marriott 235 East Main Street Norfolk, VA 23510 Symposium rate: \$155/night For reservations call (757) 627-4200 Toll free: 800-874-0264

Sheraton Norfolk Waterside 777 Waterside Drive 23510 Symposium rate: \$159/night For reservations call (757) 622-6664

Toll free: 800-325-3535

Norfolk Plaza Hotel 700 Monticello Ave. 23510 Symposium rate: \$129/night For reservations call (757) 627-5555

Courtyard Marriott (Sold out by returning squads, call for potential cancellations) 520 Plume Street
Symposium rate: \$159/night
For reservations call (757) 963-6000

Residence Inn Marriott
227 W. Brambleton Ave. 23510
Symposium rate: \$161/night for studio suite (King bed plus a pull-out)
\$171/night for one bedroom suites w/ 2
Queen beds
For reservations call 757-842-6216
Toll free: 866-941-3724
Online reservations can be made at www.marriott.com/orfrn. Use group code emsemsa for studio suites or emsemsb for one bedroom suites

Be sure to ask for the EMS Symposium rate when you make your reservation!

For assistance in locating other hotels, please contact the Norfolk Convention & Visitors Bureau at (800) 368-3097. Also note that the City of Norfolk charges a room tax of 13 percent plus \$1/day for lodging.

Please note that symposium attendees are responsible for making their own hotel reservations. If you need special accommodations, please call the hotel where you have made reservations. The Office of EMS can't make special accommodations for you.

Free Symposium Parking

Symposium participants can park at no charge for the entire symposium at the Harbor Park baseball stadium parking lot. Harbor Park is about four blocks from the Marriott and offers plenty of safe, lighted parking. Harbor Park parking permits will be available at the parking information booth located in the symposium registration area of the Marriott. You will receive a parking permit to display on your dashboard, which can only be used at Harbor Park for the duration of symposium.

A shuttle service is being provided to take people from the Harbor Park lot to the Sheraton and the Marriott. Below is the schedule for the shuttle bus:

Wednesday & Thursday - 6:15 a.m. - 11 p.m. Friday & Saturday - 6:15 a.m. - 1 a.m. Sunday - 6:15 a.m. -2 p.m.

Also, the Norfolk Trolley, called the NET, runs every 15 minutes from Harbor Park to the Marriott. Please visit www.norfolk. gov/visitors/net.asp for additional information.

Please note that free parking does NOT include the parking garages. Free parking only applies to the designated area in the Harbor Park baseball stadium parking lot. More information will be available on site.

Youth Rescue Camp

Rescue Camp for youth is a fast paced and fun-filled session for children ages 8 - 12. Training covers CPR, water rescue, basic first aid, personal safety, as well as ropes and repelling. Rescue Camp is sponsored by the Virginia Association of Volunteer Rescue Squads (VAVRS). Youth Rescue Camp is limited to 25 children.

Youth classes meet from 8:15 a.m.-5:15 p.m., Friday, Nov. 9 and Saturday, Nov. 10. There is a \$25 fee per child attending the rescue camps. Be sure to register while filling out your symposium registration form.

Annual Governor's EMS Awards Program and Reception

On Saturday, Nov. 10, join us in celebrating the Commonwealth's 2012 Governor's EMS Award presentation. There is no charge for this event and everyone is invited to attend. We'll have the EMS Memorial Tribute and the presentation of the awards.

Doors open at 5:30 p.m. The program runs from 6 - 8 p.m. Heavy hors d'oeuvres will be served. Setup will include limited tables and theater-style seating.

Important Symposium Policies

Cancellations - The symposium registration fee will be refunded if requested in writing and received at the EMS Symposium Office by 5 p.m., Friday, Oct. 12, 2012. A \$25 processing fee is charged for all cancellations.

No Smoking - All symposium activities, classes, exhibits and hallways are designated strictly non-smoking. Smoking is only allowed out of the conference center. Also, please refrain from using other tobacco products in class.

No Children in Classes - We 're sorry but we must ask you not to bring infants or children to symposium classes. It can be disruptive to other participants and is a frequent request in symposium evaluations.

No Admittance if Late to Class - You must be in class for the entire time designated to earn your CEUs. If you arrive late, you will not be admitted.

CEU Worksheets

To ensure that you take the proper courses you need to obtain continuing education units (CEU), please refer to the following worksheets in the center of the catalog: Auxiliary Programs Summary BLS and ALS credit hours. If you have questions regarding CEUs, call the OEMS Division of Educational Development at (804) 888-9120.

CEU & Course Information

Continuing Education Credit

Virginia EMS Providers - CEUs for Virginia recertification credit will be awarded, as indicated by area, topic and category, to EMS providers certified by the Office of EMS. CEUs are offered for completion of class for Categories 1 and 2. ALS and BLS topics for recertification are listed by CE subject matter, date, time and category. Category 2 applies to both ALS and BLS, unless otherwise noted.

Non-Virginia Certified EMS Providers - Non-Virginia EMS providers will receive a certificate of attendance from the Office of EMS upon request. Requests must be made no later than December 31, 2012.

Nurses - An education record will be generated by the Office of EMS as a record of classes attended. You will be able to turn this into your professional organization or employer for CE.

OMD Registration - Physicians attending the Basic OMD Workshop (PRE-010) and/or Field Operations for Medical Directors are required to register for the symposium, but are exempt from paying registration and class fees. Please fill out the Virginia EMS Symposium registration form and mail, fax or submit it online. For more information on how to register, please see page 1.

Register for the ALS Coordinators Meeting and the EMT Instructor Update - If you would like to attend the ALS Coordinators Meeting (EDU-804) and/or the EMT Instructor/ALS Coordinator/EOI Update (EDU-812) without registering for symposium, please call (804) 888-9120 or e-mail Norma.Howard@vdh.virginia.gov.

Attending symposium without registering is restricted to these courses only.

Course Information

ALS and BLS Academies - These academies offer students the ability to find all of the required ALS and BLS continuing education credits with greater ease. These courses can be identified by the course track that begins with ALS or BLS. You must attend the entire session to receive CE credit.

EMS Leadership and Management Certificate - EMS officers are encouraged to take classes to help them lead and manage their EMS agencies. Earn the EMS Leadership and Management Certificate by taking eight classes that are identified with the Star of Life icon next to the course title. Each half-day counts as two classes. You may sign up to receive a certificate by going to the 3rd floor of the Marriott. Once your attendance is verified, you'll receive your certificate via email. We'll only send you a certificate if you request one. Please direct any questions on the EMS Leadership and Management Certificate to: carol.morrow@vdh.virginia.gov.

Hands-On - All hands-on classes are denoted by the hand icon.

Health & Safety - This track focuses on the health and safety of EMS providers. This icon also identifies courses outside of this track that are health and safety related.

► Hot Topics - Just like the hands-on courses, we have included courses that we consider hot topics in EMS. We have denoted these courses by placing a little bomb next to the course title.

Course Tracks

ADM - Administrative

AIR - Airway

ALS - ALS Academy

BLS - BLS Academy

CAR - Cardiac

CISM - Critical Incident Stress Management

COM - Communications

EDU- Educator

EVAC - Med Evac

HEA - Health & Safety

LMGT - Leadership & Management

MED - Medical

OPE - Operations

PRE - Preconference

PREP - Preparatory

SPE - Special Considerations

TRA - Trauma

THE GOVERNOR'S AWARDS PROGRAM & RECEPTION

You're invited to the Governor's EMS Awards program and reception on Saturday evening. The awards ceremony and reception offers limited tables and theater-style seating. Enjoy exciting speakers, the EMS Memorial Service Tribute, and of course the presentation of the awards. Heavy hors d'oeuvres will be served. Please indicate on your registration if you can attend and how many guests you'll bring (up to five allowed).

Please join us for this very special event! Saturday, November 10, 2012 • 6 p.m.

2012 Virginia EMS Symposium Registration Form

. Registration	Information: Legibly print name and affiliation as y	you want the	m to appea	ar on your name bad	ge.
Name					
Address					
City	State		Zip		
Phone: Work	()	Home ()		
E-mail Addres	ss: (Please print clearly)				
EMS Agency/	Organization Affiliation				
	Level: First Responder EMT-B or Nurse Physician Other: Fa				EMT-P
	y or Virginia EMS Certification Numbereregistered without one of these. If you are not a certif		ider, please	provide your Social Se	ecurity Number)
Date of Birth	City/County and State in v	vhich you res	side		
2. Registration	Fees				
\$195	\$195 Full registration includes: all courses held Nov. 7-11, 2012, class materials, breaks and special events			\$	
\$50	PRE-004 – ACLS Recert - \$50 (WED 11/7 – 8:30 – 5:	30)		\$	Register Online & Save Money!
\$50				\$	\$175 Full Registration Online Registration is Quick & Easy
\$30				\$	
\$15	PRE-019 – Injury Prevention Program - \$15 (THUR	5 – 11/8 – 8:3	0 – 5:00)	\$	
\$25	RSC-5001 Rescue Camp for Youths (\$25/child)			\$	
. Rescue Cam	p: Child's Name (s)			Age (s)	:
Will you be at	tending the Awards Reception (free for registran	its)?			
	Yes or	-	No		
	# of Guests (up to five add	ditional)			

4. Print Your Name		
	1:30 - 3:00 PM	1:30 - 5:00 PM
	ADM-101HEA-1004	ADM-105HEA-1011
I	AIR-201LMGT-2001	
Check Your Classes - Limited class	CAR-504MED-3001	1:30 - 3:00 PM
size is indicated with an "L". Prerequisites	CISM-601OPE-4002	AIR-207MED-3007
for classes are indicated with an asterisk.	EDU-802SPE-6003	AIR-208MED-3008
Place a 1, 2 and 3 for your first, second	HEA-1003TRA-7003(L)	CAR-512OPE-4007
and third choices per time period.		CISM-604OPE-4008
I	2:30 - 4:30 PM	EDU-810PREP-5008
Wednesday, November 7	ALS-303	EVAC-903SPE-6009
		HEA-1012(L)SPE-6010
8:30 AM - 5:30 PM	3:30 - 5:00 PM	LMGT-2008TRA-7008
PRE-001 Day 1(L)PRE-007	ADM-102 HEA-1006	LMGT-2009 TRA-7009
PRE-002(L) Day 1 PRE-008(L)	AIR-202 LMGT-2002	_
PRE-003(L) Day 1 PRE-009(L)	CAR-505 MED-3002	1:30 - 2:30 PM
PRE-004(L) PRE-010	COM-702 OPE-4003	ALS-306
PRE-005(L) PRE-011(L)	EDU-803 SPE-6004	
PRE-006(L)PRE-012(L)	EVAC-901 TRA-7004	3:00 - 5:00 PM
	HEA-1005	BLS-406
8:30 AM - 12:30 PM		
PRE-013 (L)	5:30 - 8:30 PM	3:00 - 4:00 PM
TRE-010 (E)	EDU-804	ALS-307
1:30 - 5:30 PM	EDU-004	ALS-307
	Friday Navambar 0	2:20 F:00 DM
PRE-014 (L)PRE-015	Friday, November 9	3:30- 5:00 PM
4.00 E.00 DM	0.00 44.00 444	AIR-209MED-3010
1:30 - 5:00 PM	8:30 - 11:30 AM	AIR-210OPE-4009
PRE-016	BLS-404	CAR-513OPE-4010
3:30 - 5:00 PM	8:30 - 10:30 AM	CISM-605PREP-5009
CAR-501	ALS-304	COM-704(L)PREP-5010
1		EDU-811SPE-6011
Thursday, November 8	8:30 - 10:00 AM	HEA-1013(L)SPE-6012
	ADM-103 LMGT-2003	LMGT-2010 TRA-7010
		
8:30 AM - 5:30 PM	AIR-203(L)LMGT-2004	LMGT-2011TRA-7011
PRE-001 Day 2 PRE-017(L)	AIR-203(L)LMGT-2004 AIR-204MED-3003	LMGT-2011TRA-7011 MED-3009
PRE-001 Day 2 PRE-017(L)	AIR-204	
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10:30 AM - 12:00 PM AIR-213	1:30 - 3:00 PM ADM-107	016 AIR-217 MED-3018 016 CAR-519 OPE-4018 017 EDU-819 OPE-4019 0015 EDU-820 OPE-4020 0016 EVAC-905 PREP-5017(L) 17(L) HEA-1018 SPE-6019 18 LMGT-2018 SPE-6020 17 LMGT-2019 SPE-6021(L)			
_	2:00 - 5:00 PM BLS-408	Sunday, November 11			
11:00 AM - 1:00 PM ALS-310 1:30 - 5:00 PM CAR-517(L)	2:00 - 4:00 PM ALS-311	9:00 - 11:00 AM ALS-312			
6. Payment Information: Payment must acc	company registration form.	'			
Registrant's Name:					
Enclosed is a check for \$ made payable to EMS Symposium Charge \$ to American Express MasterCard Visa Discover					
Credit card no.	Expires	3 or 4 digit security code			
(American Express: 4-digit code on front of card above and to the right of main credit card number. Visa: 3-digit code follows 16-digit account number on the back of the card. MasterCard: 3-digit code is the last 3 digits of 7 digits on the back of card.)					
Name on card:					
Credit card billing address:		City			
State Zip					
Please do not include a fax cover sheet. Before faxing your registration, be sure to write your name on each page of the registration form for identification purposes.					

Save the Date!

Future EMS Symposiums

Nov. 6 - 10, 2013

Nov. 5- 9, 2014

Nov. 11 - 15, 2015

Two-Day Courses 8:30 AM - 5:30 PM

PRE-001 Applied Suicide Intervention Skills Training (ASIST)

Wednesday and Thursday BLS 02 / ALS 89 / 16 CEU

Target Audience: BLS, RN, Administrators ASIST is an intensive, interactive and practice-dominated course designed to help first responders and caregivers recognize and review risk, intervene to prevent the immediate risk of suicide, and develop a plan to increase safety. The learning process is based on adult learning principles and involves highly participatory workgroups. Graduated skills development is achieved through mini-lectures, facilitated discussions, group simulations, and role plays. Instructor: Pamela Frasier • Co-Instructor: Kit Cummings

Limited to: 30

PRE-002 ENPC - Emergency Nurse Provider Course

Wednesday and Thursday BLS CAT 2 / ALS Various / 16 CEU Target Audience: BLS, ALS, RN ENPC is a 16-hour course designed to provide pediatric knowledge & psychomotor skills needed to care for pediatric patients in the emergency setting. The course presents a systematic assessment model, integrates anatomy, physiology & pathophysiology, & identifies appropriate interventions. Triage categorization & prevention strategies are included. ENPC is a variety of lectures, videos and skill stations that encourage participants to integrate their psychomotor abilities into a patient situation in a risk-free setting. This program will provide participants the opportunity to strengthen and develop their pediatric emergency skills. *Instructor: Audrey Snyder • Co-Instructors:* Cathy Fox, Betty Shumate, Loretta Martin, Lauri St. Laurant

Limited to: 20



Wednesday and Thursday BLS CAT 2 / ALS CAT 2 / 16 CEU Target Audience: All

This 2-day class will cover basic principles of personal safety/self defense during combative situations. Motor skill techniques will be taught that will enhance

survivability in combative situations after being advised a scene was "safe" when it really wasn't or it changed while you were in it. After learning the basic skill techniques for survival class day one, day 2 will put these skills learned together in situational life-like scenarios for appropriate applications.

Instructor: Janis H. Hawks

Prerequisite for this course is the completion of Day 1 before proceeding to Day 2.

Limited to: 24

Wednesday Courses 8:30 AM - 5:30 PM

PRE-004 ACLS Recertification

BLS CAT 2/ ALS Various / 8 CEU Target Audience: ALS, RN, MD
The ACLS course is designed for medical providers such as physicians, nurses, emergency medical technicians-intermediates, paramedics, respiratory therapists, and other professionals who direct or participate in the resuscitation of a patient, whether in or out of hospital. Students are required to have a current BCLS and ACLS card. There is a \$50 fee. Instructor: Richard T. Bonnett • Co-Instructors: Jim Mederios, J.D. Orndorff, Karl Liedke Limited to: 24

PRE-005 Advanced Moulage Techniques

BLS CAT 2 / ALS CAT 2 / 8 CEU

Target Audience: Educators

Provide your students with realistic injuries which will grab their attention



and challenge them to use their knowledge, skills and abilities to properly respond to the "patient's"

needs and provide the proper treatment modality. Join this experienced instructor in developing your "Casualty Simulation" skills, which will cause your students to stop in their tracks and ask "...is this real or is it Memorex?" There's a \$50.00 fee for class supplies.

Instructor: Robert Samuel Ryalls

Limited to: 16

PRE-006 Field Training Officer Workshop

BLS CAT 2 / ALS CAT 2 / 8 CEU Target Audience: BLS, ALS Have you been assigned students for field training? Do you want an approach that effectively trains your students, and protects you and your agency? Join authors Bruce Nepon and Barry Eberly in an FTO Workshop that does just that! The FTO Workshop has been presented nationally, and been adopted by EMS education programs and EMS systems across the U.S. Bring a flash drive so they can share forms and documents. *Instructors: Barry Eberly, Bruce Nepon*

Limited to: 40

PRE-007 Illegal Narcotic Trends and Awareness for EMS Personnel

BLS 05 / ALS 76 /8 CEU Target Audience: BLS ,ALS

This dynamic lecture educates EMS providers in recognizing illegal narcotics and associated paraphernalia. The class will deal with signs and symptoms of illegal narcotic use, evaluation of scene safety and recognition of commonly used items for illegal production of narcotics. *Instructor: James Huling*

PRE-008 ITLS Advanced Provider Recertification

BLS Not Available / ALS Various / 8 CEU *Target Audience: ALS*

The focus of this course is to provide ITLS Advanced Providers with the most current information on trauma care. Trauma scenarios allowing for hands on practical application will be presented. This course is a recertification course. Students MUST hold a current ITLS Advanced Provider card. **There's a \$30 fee for this course.** *Instructor: Amy Louise Ward*

Limited to: 24

PRE-009 Mass Casualty Incident Management I and II

BLS CAT 2 / ALS CAT 2 / 8 CEU

Target Audience: All

Module I prepares students to take appropriate initial control actions in a mass casualty performing the initial triage of patients. Module II prepares students to assume staff positions and direct effective action within the Medical Group of an incident management system.

*Instructor: Karen C. Owens • Co-Instructors:

Jim Nogle, Frank Cheatham

Limited to: 30

8:30 AM - 5:30 PM Continued...

PRE-010 Operational Medical Directors Workshop

BLS CAT 2 / ALS CAT 2 / 8 CEU

Target Audience: OMD

This class will cover new developments in patient care, rules and regulations, and EMS management for operational medical directors. This course will fulfill requirements for re-endorsement as an EMS physician, and CME will be offered. *Instructor: George Harris Lindbeck, MD*

PRE-011 Pediatric Trauma Life Support

BLS Various / ALS Various / 8 CEU

Target Audience: All

A one-day course (8 hours) designed to teach all levels of EMS personnel the skills necessary to recognize mechanisms of injury, be able to assess and perform critical interventions, manage airway problems and fluid resuscitation, package and transport the injured infant or child. Pediatric ITLS uses the principles of pre-hospital trauma care and refines them for specific use on infants and children.

Instructor: James A. Brady

Limited to: 24

PRE-012 Traffic Incident Management & Responder Safety

BLS CAT 2 / ALS CAT 2 / 8 CEU

Target Audience: BLS, Administrators
This workshop reviews the dangers of traffic incidents and presents strategies to protect personnel and prevent line of duty deaths and injuries. Actions taken in first 15 minutes of a roadway incident can be crucial to the safety of emergency personnel, victims and motorists. Session will help develop procedures to improve protection for responders at traffic crashes and other emergencies. Includes hands-on tabletop exercises.

Limited to: 40

8:30 AM - 12:30 PM

Instructor: Jack Sullivan

PRE-013 EMS Has Gone to the Dogs BLS CAT 2 / ALS CAT 2 / 4 CEU

Target Audience: BLS,RN,ALS

This presentation will expose the street wise BLS and ALS provider to the information needed to assist in the event of a Canine injury or illness of a Fire, Police or Federal canine. We will also cover routine

problems and how to prevent them. These Dogs serve and come in our time of need and we as EMS Providers should be able to help in their time of need. Instructor: Vernon M. Frayser • Co-Instructor: Mary Frayser

Limited to: 50

1:30 - 5:30 PM

PRE-014 Advanced Airway

BLS CAT 2 / ALS 88 / 4 CEU

Target Audience: ALS

This presentation focuses on A&P of the respiratory system, and the effects of ventilation, intubation, cricothyroidotomy, nebulized medication administration on the airway system, including the lungs and heart, using porcine organs. *Instructor: Jason Dush*

Limited to: 40

PRE-015 Solving Thorny HR Issues

BLS CAT 2 / ALS CAT 2 / 4 CEU Taraet Audience: RN, MD, DO, Administra-

tors

This session will cover topics that are "thorny issues" in human resources & personnel management. We will further discuss how to develop an engaged workforce for your agency & how to improve your own workforce. We'll also cover how to maintain an appropriate work environment, how to review wages and benefits, and employee related issues, including legal implications and related policies. Don't miss this one!

Instructor: Janet Denise Waddy

1:30 - 5:00 PM

PRE-016 Guess Who's Coming to Town – Planning the Planned and Unplanned

BLS CAT 2 / ALS CAT 2 / 3 CEU

Target Audience: All

Planning for mass gathering events can leave you asking "Where do I start?" Minimizing agency stress is a critical planning component. How do you handle the event, maintain normal operations, and address the unexpected when things go haywire? This session will review case studies of the U.S. Open Golf Tournament, Civil War Sesquicentennial Celebration and the Marine Corps Museum opening. Come learn what planning tools can help you out.

Instructor: Richie Bowers • Co-Instructors: Jennie Collins, Steven Kersse

3:30 - 5:00 PM

CAR-501 Chest Pain and the BLS Provider

BLS 05 / ALS CAT 2 / 1.5 CEU

Target Audience: BLS

Chest pain can be caused by many things and does not always need an ALS provider to transport the patient. This class will review the anatomy and physiology of the thoracic area. The class will then explore the causes of chest pain, both cardiac and non-cardiac and treatment strategies for the BLS provider. This class will be interactive and there will be time to discuss previous experiences.

Instructor: Daniel Green, II

Thursday Courses 8:30 AM - 5:30 PM

PRE-017 Field Operations for OMD's

BLS CAT 2 / ALS CAT 2 / 8 CEU

Target Audience: OMD

This course will provide OMD's with the opportunity to participate in fire and rescue field operations that their providers frequently participate in. Emphasis will be given to the OMD's role in planning and participating in such operations. This course will meet requirements for EMS physician endorsement and CME credit will be offered.

Instructor: George Harris Lindbeck, MD

Limited to: 25

PRE-018 Pediatric Trauma Life Support - REPEAT

BLS Various / ALS Various / 8 CEU Target Audience: BLS, ALS

A one-day course (8 hours) designed to teach all levels of EMS personnel the skills necessary to recognize mechanisms of injury, be able to assess and perform critical interventions, manage airway problems and fluid resuscitation, package and transport the injured infant or child. Pediatric ITLS uses the principles of prehospital trauma care and refines them for specific use on infants and children. *Instructor: James A. Brady*

Limited to: 24



PRE-019 So You Need an Injury Prevention Program

BLS CAT 2 / ALS CAT 2 / 6 CEU

Target Audience: RN, Administrators

Unsure of how to design, fund and run a public safety fitness, wellness & injury prevention program that works? Do you need data and a protocol to follow, to ensure that your employees stay fit and productive while reducing workers compensation costs? Learn how to put in place an ergonomics policy. Achieve all this and more in this course.

There is a \$15 Course fee. Instructor: Bryan E. Fass

8:30 AM - 12:00 PM

PRE-020 Hostile Incident Response for Public Safety Personnel

BLS CAT 2 / ALS CAT 2 / 3 CEU

Target Audience: All

Events like Columbine and Virginia Tech have forever changed the way public safety responds to hostile incidents. The days of EMS simply staging while law enforcement handles an event are forever changing. EMS and law enforcement are realizing the need for greater interoperability. This presentation will discuss some of these events and talk about lessons learned as well as how some agencies are changing their response. We will conclude with some table top exercises. Instructor: Paul Glen DeHaven • Co-Instructors: Brad Carruthers, Nathaniel Moore, Kris Sacra

8:30 - 11:30 AM

BLS-401 Pt Assessment

BLS 02 / 3 CEU

Target Audience: BLS

Instructor: Paul Fleenor

This is the first class in the BLS Academy. Attendees will learn techniques on how to approach and properly assess a patient experiencing a medical or trauma emergency. This class will cover material from the new Virginia EMS Education Standards.

8:30 - 10:30 AM

ALS-301 Assess and Provide Care to an Infant or Child With Cardiac Arrest

ALS 84 / 2 CEU

Target Audience: ALS

This program will provide CE for ALS area 84 only. You must attend the entire session to receive CE.

Instructor: TBD

8:30 - 10:00 AM

CAR-502 ACLS Pharmocology

BLS CAT 2 / ALS 72 / 1.5 CEU

Target Audience: ALS, RN, MD

How much do you know about the medicines that you are giving in ACLS? Why are some given in time intervals and others not? This class is a pharmacology review of the medications that we administer in pre-hospital ACLS. This is an in depth discussion of why we give certain medications and what they do in the body. Providers will gain a better understanding of how and what they give on calls affect their patients.

Instructor: Brad Haywood

Limited to: 50

HEA-1001 Recipe for Disaster – The Discovery Building Event

BLS CAT 2 / ALS CAT 2 / 1.5 CEU

Target Audience: All

On Sept 1, 2010 an individual entered the Discovery Channel Building in Silver Spring, Maryland and immediately initiated an active shooter situation. The active shooter was armed with improvised explosive devices and a gun, and created a hostage situation. Attend and review this event, discuss lessons learned and understand various approaches to integrate law enforcement and fire and rescue personnel and safety officers when confronted with these situations.

Instructor: Richie Bowers • Co-Instructor: Jennie Collins

PRE-021 MCIM I and II Train-the-Trainer

BLS CAT 2 / ALS CAT 2 / 1.5 CEU

Target Audience: BLS, ALS

This course is designed to provide participants with the training and tools necessary to become Instructors in Mass Casualty Incident Management Module I and II. Teaching requirements and techniques will be discussed and course content will be reviewed. Requirements for maintain-

ing certification will also be discussed. *Instructor: Karen C. Owens*

PREP-5001 Out With the Old and in With the Old, Old

BLS 02 / ALS CAT 2 / 1.5 CEU

Target Audience: BLS, ALS

EMS is an ever changing field and it requires the provider to always stay up to date. With the new education standards being implemented, the patient assessment terminology is changing. If you were in EMS prior to 1994 you will recognize that terminology. This class will provide a review of patient assessment and use new terminology. The class will be taught using a case study format.

Instructor: Daniel Green, II

SPE-6001 Pharmacologic Restraint of the Violent and Severely Agitated Patient

BLS 05 / ALS 89 / 1.5 CEU Target Audience: ALS,RN,MD

In the pre-hospital realm we may encounter patients in an agitated and violent state. This may be related to psychiatric, medical or trauma related conditions. It is important that we can ensure the safety of our personnel and the patient to manage the call effectively. In this talk we will review the available medications, review the advantages and disadvantages associated with the available medications, review the consensus recommendations available to guide our choices, and evidence regarding the chemical restraint and sedation of the violent and severely agitated patient.

Instructor: Scott Weir, MD

TRA-7001 OB Trauma Cases Studies: My Patient's Pinned and Pregnant!

BLS 10 / ALS 91 / 1.5 CEU

Target Audience: BLS,ALS

Imagine that you receive an eight month pregnant patient who is trapped in a vehicle after being involved in a collision at an intersection. Extrication has taken place by the fire department and the patient is headed to the hospital by ambulance or helicopter when...These case reviews will look at a logical sequence for the initial assessment and management of these trauma patients. Come challenge yourself and see how your service would handle these cases.

Instructor: Jason Dush

10:30 AM - 12:00 PM

CAR-503 Cardiac Arrest

BLS 05 / ALS 72 / 1.5 CEU

Target Audience: All

In this class, we will review the various therapies employed by EMS to the patient in cardiac arrest. The basic therapies are the most important and include high quality, uninterrupted chest compressions and defibrillation. The more complex therapies are important yet much less so; these complex therapies include parenteral access, cardioactive medication administrative, and placement of invasive airways.

Instructor: William Brady, MD

COM-701 Stress, Health, and Wellness for 911 Dispatchers

BLS 05 / ALS 89 / 1.5 CEU Target Audience: Dispatcher

An introduction to recognizing the signs of mental and physical stress and ways to reduce stress. Highlighting structural imbalances and chronic pains of the body caused by repetitive motion. Includes an introduction on tips for improving health and wellness naturally and with alternative methods.

Instructor: Carol Marie Render

HEA-1002 Brain Science Meets Emergency Services: What Have We Learned?

BLS CAT 2 / ALS CAT 2 / 1.5 CEU

Target Audience: All

The more I learned about neuroscience of decision making, the more obsessed I became with it. As I contemplate how brain science and emergency services interrelate, alarm bells sound in my head, alerting me to how ridiculously important these lessons are for first responders. If the lack of understanding how the brain functions weren't so dangerous, it might be funny. But it's not funny and can be downright deadly!

Instructor: Richard B. Gasaway

OPE-4001 The Search for Little Robbie Wood...

BLS CAT 2 / ALS CAT 2 / 1.5 CEU

Target Audience: All

The Search for Little Robbie Wood Hanover Virginia Lessons Learned Over the 6 Days an 8-year-old Autistic child was lost, over 6000+ Fire, EMS, Law Enforcement, K-9s, citizens, State agencies were mobilized, responded, coordinated, instructed,

accounted for and medically taken care of while searching. Learn what we saw, did, and what we learned.

Instructor: Vernon M. Frayser

PREP-5002 Ethics in EMS

BLS 07 / ALS CAT 2 / 1.5 CEU

Target Audience: BLS, ALS

Today more than ever, personal ethics and morality are on everyone's mind. With recent political events highlighting personal behavior, it is not surprising that EMS should have it's share of ethical dilemmas. Please join JEMS Case of the Month Columnist Paul Werfel for this new and thought provoking session on examination and reflection on a variety of EMS topics.

Instructor: Paul Alan Werfel

SPE-6002 Feeling Hot, Hot, Hot: Pediatric Fevers

BLS 08/ ALS 91 / 1.5 CEU Target Audience: BLS, ALS

Fevers are a rite of passage for all children. Most are benign, short in duration and have no lasting effects. Fevers can be very worrisome for parents, especially if deemed "too high". Learn what constitutes a need for worry and intervention and when you need to reassure the parents and make the child comfortable.

Instructor: Valerie Andrea Ouick

TRA-7002 Crush Injury vs. Crush Syndrome: Why is it Important to Know?

BLS 04 / ALS 90 / 1.5 CEU Target Audience: BLS, RN, ALS

Two hundred six bones, countless muscles, nerves, blood vessels, and supporting structures weave together to form the musculoskeletal system. Although injuries to this system are common and rarely fatal, they often result in severe pain, blood loss and potential long-term disability. Adverse outcomes can often be prevented with prompt temporary measures, but which ones? This lecture is designed to discuss commonly misdiagnosed and mistreated injuries in the field.

Instructor: Jason Dush



11:00 AM -1:00 PM

ALS-302 Assess and Provide Care to an Infant or Child With Respiratory Distress

Target Audience: ALS ALS 85 / 2 CEU

This program will provide CE for ALS area 85 only. You must attend the entire session to receive CE. *Instructor: TBD*

11:30 AM -12:30 PM

BLS-402 Medical Legal

BLS 7 / 1 CEU

Target Audience: BLS

This is the second lecture of the BLS Academy. Attendees will learn about the Medical-Legal aspects of providing care to the patient.

Instructor: Adam L Harrell

1:30 - 5:30 PM

BLS-403 Medical Emergencies

BLS 5 / 4 CEU

This is the third lecture of the BLS Academy. Attendees will cover topics related to Medical Emergencies in the BLS Patient. This session will be based on the new Virginia EMS Education Standards.

Instructor: Wayne T. Berry

1:30 - 5:00 PM

EDU-801 Demystifying the New EMS Educational Standards

BLS CAT 2 / ALS CAT 2 / 3 CEU

Target Audience: Educators

When they were completed several years ago, the new EMS educational standards were envisioned as a major step forward in EMS education. Intended to both further the "professionalization" as well as the minimum competencies for the individual practitioner levels, this has not come without some serious confusion and angst. Will this transition actually help EMS or is it just a lot of "edu-speak"? What will the instructors need to know? Will our classes really be any different? Please join longtime EMS educator/author Paul Werfel in this stimulating presentation which will explore these standards and come to a consensus as to what's expected of us as instructors on a BLS and ALS level in the future.

Instructor: Paul Alan Werfel

PRE-022 Resusitate Me

BLS 05 / ALS 72 / 4 CEU

Target Audience: ALS, RN, MD

This course will be a hands on course dealing with patient resuscitation in the pre-arrest and full arrest scenario. Problem and critical thinking skills will be used in an hands on format working as a team to perform and integrated patient resuscitation.

Instructor: Richard T. Bonnett • Co-Instructors: Jim Medirois, J.D. Orndorff, Karl Liedke Limited to: 24

PREP-5003 Critical Care Transport Topics Review

BLS CAT 2 / ALS 73 / 3 CEU Target Audience: RN, ALS, MD

Discussion and review of monitoring methods/values commonly found in Critical Care transport. We will review/utilize pressure waveforms to discuss problems with ground & flight transport using Aline monitoring and IABPs. Additionally, we will use ABGs to discuss patient treatment and vent considerations. This class should be helpful to anyone interested in taking CC Certification exams. Students are encouraged to have a basic understanding of Critical Care topics.

Instructor: Brad Haywood

Limited to: 30

1:30 - 3:00 PM

ADM-101 The 'Real' Stories of EMS in Virginia...What Not to Do!

BLS CAT 2 / ALS CAT 2 / 1.5 CEU

Target Audience: All

A spin-off of reality TV - ESPN MNF "C'Mon Man" and others. A review of those challenges and issues that you do not want to see on the front page of your local or national media!

Instructor: Michael D. Berg

AIR-201 RSI Pharmacology

BLS CAT 2 / ALS 71 / 1.5 CEU Target Audience: RN,ALS, MD

This lecture will review the pharmacology of Rapid Sequence Induction. The participants will strengthen their knowledge of of the major drugs used in RSI. In particular Etomidate, Ketamine, Fentanyl, Succinylcholine and Rocuronium will be covered in significant detail. Sedative agents will also be reviewed.

Instructor: Asher Brand, MD

CAR-504 Management of Congestive Heart Failure in the Pediatric Population

BLS 08 / ALS 85 / 1.5 CEU

Target Audience: ALS

This class will explain how the presentation of pediatric congestive heart failure (CHF) differs from that of the adult. We will review the causes of CHF in neonates and in children, and discuss pre-hospital management of the neonate/child with congestive heart failure.

Instructor: James (Paul) Bishop

CISM-601 CISM - The Debriefing Contoversy

BLS 05 / ALS 89 / 1.5 CEU Target Audience: BLS, ALS

Debriefing has long been taught as the most effective way to handle stress after providers have responded to a critical incident. The debriefing model has been practiced around the world - but does it really work? Join our presenter as she explains the original model of debriefing, reviews relevant terms and investigates the studies that brought CISD into question.

Instructor: Corinne Elizabeth Flammer

EDU-802 Turning Death by Slideshow Into an Interactive Class

BLS CAT 2 / ALS CAT 2 / 1.5 CEU

Target Audience: Educators

What happens when a dynamic, engaging instructor tries to liven up a dry, boring, lecture-heavy slideshow? Usually the slideshow wins (and the students lose). That's because only about half of an engaging class comes from a dynamic instructor. The rest comes from courseware designed for interaction. Join us in this workshop to learn and practice three specific techniques for redesigning a dry slideshow into an interactive class.

Instructor: Jake Mazulewicz, PhD

HEA-1003 Drive to Survive

BLS CAT 2 / ALS CAT 2 / 1.5 CEU

Target Audience: All

One of the greatest challenges facing every provider is leaving the station in apparatus, arriving safely at the incident and returning safely after the incident. This presentation will engage participants in understanding what obstacles must be navigated to arrive alive and identify the options to implement risk reduction strategies. Discussion topics include case studies, lessons learned, training initiatives and strategies to ensure everyone arrives

safely and everyone goes home.

Instructor: Richie Bowers • Co-Instructor:

Jennie Collins

HEA-1004 Flawed Situational Awareness: The Stealth Killer of First Responders

BLS CAT 2 / ALS CAT 2 / 1.5 CEU

Target Audience: All

Dr. Gasaway's has researched and reviewed hundreds of case studies, nearmiss and line-of-duty death reports. He found himself being frustrated because there were so many indicators the incident was going to end in disaster and personnel operating at the incident scene could not see it coming. Dr. Gasaway's research sought to understand the barriers that challenge situational awareness at emergency scenes and this program will focus on those leading barriers.

Instructor: Richard B. Gasaway

LMGT-2001 Building Upon Your Quality Assurance / Quality Improvement Program

BLS CAT 2 / ALS CAT 2 / 1.5 CEU

Target Audience: BLS, ALS

This presentation will highlight QA/QI programs that are currently being utilized by other agencies and the components that make these programs successful. Specifics will be components like customer satisfaction surveys; round table discussions; and peer review systems.

Instructor: Adam L. Harrell

MED-3001 The Goldilocks Theory: The Environment When it is Too Hot or Cold and Definitely Not Right

BLS 05 / ALS 89 / 1.5 CEU

Target Audience: All

A discussion into the environmental extremes of heat injuries and hyperthermia as well as cold injuries and hypothermia. Case reports will review both emergent response calls as well as standby scenarios. The presentation will include tips on patient safety, physical exam findings to look for and treatment methods for these illnesses.

Instructor: Eric Bachrach, MD

1:30 - 3:00 PM Continued...

OPE-4002 The First 15 Minutes-Strategies and Tactics for Roadway Incident Safety

BLS CAT 2 / ALS CAT 2 / 1.5 CEU

Target Audience: All

This classroom session reviews roadway incident hazards and outlines strategies to prevent line of duty deaths and injuries. Actions taken in the first 15 minutes of a roadway incident scene can be crucial to the overall safe management of the scene. Tactics to establish safe work areas are presented. This session will help you develop procedures to improve scene safety at all types of emergencies on all roadway environments.

Instructor: Jack Sullivan

SPE-6003 GSI: Geriatric Scene Investigation

BLS 5 / ALS 89 / 1.5 CEU Target Audience: BLS, ALS

Geriatric patients can be difficult to assess sometimes because of all the chronic conditions that they have. It is necessary to play detective to identify what is going on with the patient. This class will explore the physiologic changes that occur with aging and give the students tools to assist them with determining what is actually going on with the patient. This class with be spilt between lecture and hands on to actually practice some of the assessment skills

Instructor: Daniel Green, II

TRA-7003 Coach, My Neck Hurts!

BLS 04 / ALS 80 / 1.5 CEU

Target Audience: All

As well trained EMS providers, we all should know and be proficient in dealing with neck & spine injured patient. Dealing with the spine injured football player presents a few unique obstacles though. Should you leave the helmet in place? How do you protect their spine and get them onto a backboard? Come learn how to appropriately treat these type of patients.

Instructor: Rebecca Chambers Anhold

Limited to: 30

2:30 - 4:30 PM

ALS-303 Assess and Provide Care to an Infant or Child With Shock/ Hypoperfusion

ALS 86 / 2 CEU

Target Audience: ALS

This program will provide CE for ALS area 86 only. You must attend the entire session to receive CE.

Instructor: TBD

3:30 - 5:00 PM

ADM-102 Easy Money BLS CAT 2 / ALS CAT 2 / 1.5 CEU

Target Audience: Administrators, All

This presentation will provide guidance of the Rescue Squad Assistance Fund (RSAF) Grant Program provided by OEMS. This class will not only provide an overview of the RSAF grant program, but will also give participants information on other state, federal, non-profit and private funding that may be available for EMS providers. This workshop is highly recommended to those providing EMS for the public and are in need of EMS equipment, vehicles, series and system wide programs.

Instructor: Amanda Davis

AIR-202 Advanced Airway Management for EMT-Basics

BLS 03 / ALS 71 / 1.5 CEU

Target Audience: BLS

With recent advances in extraglottic devices (EGD's), such as the esophageal tracheal combitube, laryngeal mask airway (LMA), and the King LT EMT-Basics are becoming better equipped to combat hypoxia in the apneic patient. Increasingly more states are permitting EMT-Basics to use EGD's that were once reserved for "advanced" provider use only. This session will focus on the needed knowledge to provided safe bag-mask-ventilation and use of EGD's.

Instructor: Fred Ellinger, Jr.

CAR-505 Confounding Patterns in ECG Diagnosis of AMI

BLS CAT 2 / ALS 73 / 1.5 CEU Target Audience: ALS, RN, MD

In this class, we will introduce the concept of the confounding ECG pattern as they relate to the ECG diagnosis of AMI. These patterns include left bundle branch block, ventricular paced patterns, and left ventricular hypertrophy. Each pattern will be defined and introduced. The normal and abnormal ECG findings will be discussed. This approach will allow the student to recognize the normal confounding pattern and such patterns with findings suggestive of AMI.

Instructor: William Brady, MD

COM-702 Using Technology to Streamline Emergency Response

BLS CAT 2 / ALS CAT 2 / 1.5 CEU

Target Audience: Dispatcher

This will focus on how geo-spatially enabling Computer Aided Dispatch data can help dispatchers make the best decisions faster. Discussion regarding how mobile technology used by EMS providers and Local Law Enforcement helps them to be proactive in the field. Also give use cases for how other localities are using mobile technology for first responder and law enforcement needs in the field.

Instructor: Bobbie J Atristain

EDU-803 Team-Based Learning in EMS

BLS CAT 2 / ALS CAT 2 / 1.5 CEU

Target Audience: Educators

Have you ever thought of a 'different' way to teach the same material that will allow you to retain more students and to produce a higher-caliber provider by increasing critical thinking? This class will explore the growing concept of Team-Based Learning and how to apply it to the EMS classroom.

Instructor: Jason Carl Ambrose

EVAC-901 Why Fly?

BLS CAT 2 / ALS CAT 2 / 1.5 CEU

Target Audience: BLS, ALS

Discussion risks, benefits, advantages and disadvantages of helicopter EMS patient transport with example cases.

Instructor: Stephen Ausband, MD

HEA-1005 EMS Safety Officers - Taking Care of Our Own

BLS CAT 2 / ALS CAT 2 / 1.5 CEU

Target Audience: BLS, ALS

EMS agencies should appoint a Safety Officer to lead safety and loss prevention efforts, and coordinate safety program activity. This class will outline the benefits of having a safety officer and provide an overview of potential duties for the safety officer. EMS providers take care of other people and the EMS Safety Officer role is to take care of providers through strategies to prevent provider injuries and fatalities.

Instructor: Jack Sullivan

3:30 - 5:00 PM Continued...

HEA-1006 Mental Management of Emergencies

BLS CAT 2 / ALS CAT 2 / 1.5 CEU Target Audience: MD, DO, All

Organizations with state-of-the-art equipment, regular training, and sound policies and procedures are still experiencing first responder casualties. The solution to improving safety lies with improving situational awareness and decision making – learning how to see the bad things coming in time to change the outcome. Join this session and examine how your organization can focus on this area of improvement.

Instructor: Richard B. Gasaway

LMGT-2002 Assistance to Firefighter Grants and EMS

BLS CAT 2 / ALS CAT 2 / 1.5 CEU

Target Audience: BLS, Administrators

Why let firefighters have all the funds? Part of the primary goal of the Assistance to Firefighters Grant (AFG) is to meet the emergency response needs of non-firebased EMS organizations. Eligible activities include first responder/EMR training, EMS equipment acquisition, personal protective equipment, wellness and fitness, and modifications to EMS facilities. FEMA Region III will help you navigate through the grant maze and help your agency apply for federal funds set aside for EMS activities.

Instructor: Lori Lu Bainbridge

MED-3002 Don't Just Do Something, Stand There

BLS 05 / ALS 89 / 1.5 CEU Target Audience: BLS, RN, ALS

Don't just do something, stand there: when discretion is the better part of valor. This presentation will challenge many of the traditions in EMS and discuss the risks vs. benefits of providing the treatments we are trained to provide. Specifically the utility of advanced airway management, spinal immobilization and immediate transport of cardiac arrest patients will be considered. Case studies and medical literature will be utilized to discuss the benefits of the "less-is-more" philosophy of treatment in modern EMS system.

Instructor: Matthew Cathcart

OPE-4003 Community Healthcare Planning and Response to Disasters

BLS CAT 2 / ALS CAT 2 / 1.5 CEU

Target Audience: All

Public safety, healthcare, public health, and emergency managers have been working to prepare for disasters in their community. While each of those organizations is prepared to respond to disasters, how prepared is the community to respond? PDD-8 emphasizes a whole of community response to disasters. When a large-scale incident occurs, response activities require integration of all community agencies. This course will help prepare communities for a truly integrated approach.

Instructor: Scott Cormier

SPE-6004 Bariatric Medicine Special Considerations

BLS CAT 2 / ALS CAT 2 / 1.5 CEU

Target Audience: All

Our population is growing, in more ways than one! From pre-hospital to ICU, what challenges does the chronic condition of a morbidly obese patient present to pre-hospital health care providers? What special skills or equipment could be utilized in their care? Come join me and we'll discuss some solutions for a safe and effective response in these emergent situations.

Instructor: Mary F. Frayser

TRA-7004 When things go BOOM: Blast Injury

BLS 02 / ALS 78 / 1.5 CEU Target Audience: BLS, ALS

This presentation will describe the phenomena of blast injury. Pre-hospital evaluation and disaster management principles will also be discussed with a review of disaster triage concepts and the Hospital Emergency Incident Command System (HEICS) will be discussed. Specific blast-injury patterns will be described, with certain injury patterns and the appropriate pre-hospital and/or emergency treatment will be discussed.

Instructor: Andrew A. Galvin • Co-Instructor: William A. Shumate

5:30 - 8:30 PM

EDU-804 ALS Coordinator Meeting

BLS CAT 2 / ALS CAT 2 / 3 CEU

Target Audience: Educators
This session will discuss ALS training and

education issues, accreditation, quality assurance and administrative updates from the Office of EMS. This program will meet the ALS coordinator's requirement for attending an update as part of the process for renewing the ALS Coordinator endorsement. You do not need to register for symposium to attend this program.

Instructor: Deborah T. Akers • Co-Instructors: Warren Short, Chad Blosser, Greg Neiman

Friday Courses 8:30 - 11:30 AM

BLS-404 Airway Management

BLS 3/3 CEU

Taraet Audience: BLS

This is the fourth class in the BLS Academy. Participants will review the anatomy and physiology of the airway, the assessment and management of airway and breathing compromise, and oxygenation/ventilation. This class will be taught to the new Virginia EMS standards.

Instructor: TBD

8:30 - 10:30 AM

ALS-304 Assess and Provide Care to an Infant or Child With Trauma

ALS 87 / 2 CEU

Target Audience: ALS

This program will provide CE for ALS area 86 only. You must attend the entire session to receive CE.

Instructor: TBD

8:30 - 10:00 AM

ADM-103 The 'Real' Stories of EMS in Virginia...What Not to Do! - REPEAT

BLS CAT 2 / ALS CAT 2 / 1.5 CEU

Target Audience: All

A spin-off of reality TV - ESPN MNF "C'Mon Man" and others. A review of those challenges and issues that you do not want to see on the front page of your local or national media!

Instructor: Michael D. Berg

AIR-203 Advanced Airway Management Practical for EMT-Basic

BLS 03 / ALS 71 / 1.5 CEU

Target Audience: BLS

Building on what was discussed in the presentation; Advanced Airway Management for the EMT-B students will receive

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instruction on the proper use of basic airway adjuncts and BVM and the proper use of extraglottic airway devices (EGD's). Students will be given ample hands-on time with each of the devises. Airway management trainers, lung simulators, and human patient simulators will be utilized to create lifelike experiences for students.

Limited to: 24

Instructor: Fred Ellinger, Jr.

8:30 -10:00 AM Continued...

AIR-204Airway of Choice: To ET or Not ET?

BLS 03 / ALS 71 / 1.5 CEU Target Audience: ALS, Educators

The endotracheal tube is still the gold standard for airway management, but what roles do "alternative" airways play in your practice? This program evaluates where EMS airway management stands now and where things are headed. Do field-paced ET tubes improve patient outcomes? Should all cardiac arrest patients arrive at the hospital intubated? Exactly what airways qualify as BLS now? Should your airway choices change if the problem is medical illness or traumatic injury? These questions and more will be discussed in the context of the latest trends, research and expert opinion.

Instructor: Rommie L. Duckworth

CAR-506 12 Lead EKGs - Not Just for **Chest Pain Anymore**

BLS 05 / ALS 73 / 1.5 CEU Target Audience: ALS, RN, MD

12 Lead EKG has become the standard of pre-hospital care for patients complaining of chest pain, but there are clues within the 12 Lead rhythm that may point to other illnesses and injuries. Participants will look at actual case studies where 12 Lead EKGs indicated other problems. Basic 12 Lead concepts will be reviewed along with the other uses for this invaluable tool.

Instructor: Jason Ferguson

CAR-507 Beyond the Balloon Basics-**Advanced IABP**

BLS CAT 2 / ALS 73 / 1.5 CEU Target Audience: RN, ALS

This course will focus on advanced IABP concepts and expansion of knowledge for providers who have a basic understanding of IABP's. Large focus of patients on multiple drips, vent, and IABP who sud-

denly crump and prioritizing what needs to be done; knowing that you are dealing with some of the sickest patient populations, who actually do die sometimes. When do you decide that you have done everything that you can? This course is designed for the "cavalry" who come to the call for aid when IABP patients are circling the drain and it cannot be figured out whv.

Instructor: Travis Lee Karicofe

CAR-508 ECG Diagnosis of STEMI

BLS CAT 2 / ALS 73 / 1.5 CEU Target Audience: ALS, RN, MD

In this class, we will discuss the ECG diagnosis of STEMI and related ACS presentations. We will discuss ST segment changes, T wave changes, and Q waves. We will discuss anatomic issues, such as posterior and RV infarction. We will also review various ECG clues to the diagnosis of STEMI. We will review STEMI mimic patterns. Lastly, we will introduce an algorithmic approach to STEMI diagnosis.

Instructor: William Brady, MD

CISM-602 I'm Not an Alcoholic, I Don't go to Meetings...Addiction in EMS

BLS 05 / ALS 76 / 1.5 CEU Target Audience: BLS, ALS

Addiction is a growing problem in society. Personality, biology and environment all contribute to a person's susceptibility to this terrible disease - one that destroys families, careers and lives. This presentation will cover the most common warning signs & coping mechanisms as well as present attendees the path to take should they or someone that they know in the service desire help.

Instructor: Corinne Elizabeth Flammer

EDU-805 Refreshers or CME: Are There Alternatives

BLS CAT 2 / ALS CAT 2 / 1.5 CEU

Target Audience: Educators

Refresher courses have been a fact of life as long as most of us have been in the profession. Is there another way of periodically reevaluating EMS practitioners? Some educators tout the exclusive use of continuing medical education (CME) in the rectification process. While others advocate the sole use of the refresher program, and in some cases a combination of CME and refresher course. This discussion will explore the advantages and disadvantages of these reevaluation devices, as well as their widespread application. We will attempt to reach some unanimity on the educational aspects of each modality and try to identify the most efficacious approach.

Instructor: Paul Alan Werfel

EDU-806 Student Engagement in the Classroom

BLS CAT 2 / ALS CAT 2 / 1.5 CEU

Target Audience: Educators

Research shows that student engagement is essential to student learning. This will be an interactive presentation where a variety of instructional strategies, to maintain a high level of student engagement, will be modeled as they are presented. Instructors will gain a "handson" understanding of how to create more a more engaging environment in their classroom.

Instructor: Denise May Hammond

HEA-1007 Common Threads in **EMS Tragedies**

BLS CAT 2 / ALS CAT 2 / 1.5 CEU

Target Audience: All

Too many EMS providers are injured and killed during emergency and non-emergency operations. The injuries and line of duty deaths need examining to understand what happened, what is occurring, and what can be done to prevent additional tragedies. Join this interactive case studies review so others can understand, discuss and debate strategies which may be applied in their organization to avoid a similar situation or outcome.

Instructor: Richie Bowers • Co-Instructor: Jennie Collins

HEA-1008 Is There More to Life **Than EMS?**

BLS CAT 2 / ALS 89 / 1.5 CEU

Target Audience: All

This program will highlight the critical stressors associated with working or volunteering in Fire/EMS. We will review how 12/24 hour shifts impact the provider physically and emotionally; and how to counteract these. We will also look at the impact of Fire/EMS work on our families and how to avoid problems in personal life. Finally, we will look at higher education offerings for Fire/EMS providers.

Instructor: Adam L. Harrell

8:30 -10:00 AM Continued...

LMGT-2003 Oh the Mistakes We've

BLS CAT 2 / ALS CAT 2 / 1.5 CEU

Target Audience: BLS, ALS

We're not always the best at admitting mistakes, or discussing them after they've happened (at least with others). But when all of the holes in the Swiss cheese line up, mistakes can happen. This class will review a variety of mistakes and mishaps. We will discuss how communication, teamwork, and situational awareness can help prevent future incidents with examples from a wide variety of areas.

Instructor: Kevin A. Kissner

LMGT-2004 The EMS Darwin Awards

BLS CAT 2 / ALS CAT 2 / 1.5 CEU Target Audience: All

Today, EMS providers are finding novel ways to get into trouble. Poor documentation, narcotics theft and billing fraud have now been joined by social networking, scene management, photographing patients and other triggers. These have major consequences for providers and agencies, including certification issues, civil and criminal liability. This lecture is designed to give both providers and managers a toolkit for avoiding, and responding to, the modern danger areas in EMS.

Instructor: Matthew R. Streger

MED-3003 Anaphylaxis - It's not just About the Bee Sting

BLS 05 / ALS 75 / 1.5 CEU

Target Audience: BLS, RN, ALS

This class will review the causes of allergic reaction and anaphylaxis and increase our understanding of the underlying physiology. We will review the spectrum of immune response and treatment EMS providers may see or perform in the field. *Instructor: Brad Haywood*

MED-3004 Chill out Dude ... or Else! Or, Don't taze me, man!

BLS 05 / ALS 89 / 1.5 CEU Target Audience: BLS, ALS

Agitated and uncooperative patients are among the most challenging situations encountered in the field. In some cases, EMS providers are called upon to provide behavioral control and to deal with agitated and combative patients who have been involved with law enforcement.

This presentation will focus on developing an approach for behavior control of patients with psychiatric and substance abuse issues, including medical therapy and physical restraints. Included will be a discussion of the patient with agitated delirium and working together with law enforcement.

Instructor: George Harris Lindbeck, MD

OPE-4004 Decontamination of Chemical, Biological, and Radiological Agents

BLS 05 / ALS 76 / 1.5 CEU Target Audience: BLS, RN, ALS

Decontamination, although well researched, is little understood by the public safety community. How effective is disrobing and water spray on chemical agents? How do you determine when a radiologically contaminated patient is "safe"? Is bleach necessary to decontaminate patients from biological agent exposure? Learn the science behind decontamination, and what you need to do to keep yourself and your patients safe. *Instructor: Scott Cormier*

PREP-5004 Justification Through Clinical Documentation

BLS CAT 2 / ALS CAT 2 / 1.5 CEU

Target Audience: All

Appropriate clinical documentation captures and justifies, actions, standard of care, interventions, level of care provided and medical necessity within the patient care reports, incident reports and the entire medical record. All of which, leads to increased reimbursements, increased quality of care and decreased litigation. *Instructor: Betty B. Bibbins, MD*

PREP-5005 Old Narratives/New Providers

BLS 07 / ALS CAT 2 / 1.5 CEU

Target Audience: BLS

The art of painting a picture is an important skill that must be developed early in the EMT's career. Participate in a fun and interactive lecture that will help you develop your full documentation potential and prepare documentation that will withstand litigation.

Instructor: S. Heather Phillips

SPE-6005 Pediatric Shock

BLS 08 / ALS 86 / 1.5 CEU Target Audience: BLS, ALS

This is an interactive learning session that

involves case scenarios and a review the common types of pediatric shock - hypovomlemic, obstructive, cardiogenic, and distributive. Early recognition and assessment findings will be discussed in addition to a review of advanced treatment modalities and complete pre-hospital management of this specialized type of patient.

Instructor: Tiffany Leigh Kidd

SPE-6006 So What Happens With my Stroke Patient Once They Arrive at the Hospital

BLS 05/ ALS 89 / 1.5 CEU Target Audience: BLS, ALS

Provide an overview of caring for the stroke victim in the acute care setting, particular to interventional neuroradiology. Discuss assessment, intravenous thrombolytics, intra-arterial thrombolytics, and thrombectomies. Review of the specific patient care, medications, equipment, and procedures.

Instructor: Christie Smart Harrell

TRA-7005 Appreciating the Atlas and Axis of Your World

BLS 04 / ALS 80 / 1.5 CEU

Target Audience: BLS, RN, Dispatcher
Falls from a height are a common EMS run.
Basic and advanced care for victims of falls
greater than six feet, or deceleration trauma resulting in suspected spinal injuries,
makes a difference for these patients. Best
case scenarios for EMS treatment of profound injuries will be presented.

Instructor: Mary F Frayser • Co-Instructor: Max Frayser

TRA-7006 Protocol Directed Torture: Unnecessary Spinal Immobilization

BLS 04 / ALS 80 / 1.5 CEU Target Audience: BLS, ALS

Day in and day out, EMS providers secure people to hard plastic boards based upon little more than mechanism of injury, or simply to satisfy medical protocol requirements. This presentation will examine the practice of needless spinal immobilization, discuss appropriate assessment steps for determining the need for spinal motion restriction, and discuss the potential for harmful neurological and musculoskeletal sequelae resulting from needless spinal immobilization.

Instructor: Steven Kelly Grayson

10:30 AM - 12:00 PM

ADM-104 Virginia EMS Regulations

BLS 07 / ALS CAT 2 / 1.5 CEU Target Audience: All

Every year providers, participants and consumers have questions on how do the EMS Regulations pertain to them; the "how come", "I heard" and "I know of someone who...". This interactive session will serve to break the myths and untruths regarding the application of the Virginia EMS Regulations for providers, agencies, OMD's and the consumers.

Instructor: Michael D. Berg

AIR-205 Capnography Cases BLS CAT 2 / ALS 71 / 1.5 CEU

Target Audience: BLS, ALS

Capnography is used to definitively confirm airway placement but there are multiple clinical implications. It is Class IA for evidence according to AHA 2010 Guidelines. In use in EMS for over 10 years, its clinical implications extend beyond airway confirmation and into close monitoring of perfusion and sedation. Course presents cases with wide range of clinical conditions and situations.

Instructor: John Michael Watkins

AIR-206 Challenging Pediatric Intubations!

BLS CAT 2 / ALS 85 / 1.5 CEU Target Audience: ALS, RN

This presentation is a pediatric-specific advanced airway lecture which addresses several issues and concerns of the prehospital provider when it comes to successfully obtaining and managing the difficult pediatric airway. The discussion stresses the fundamentals of pediatric assessment, knowing who is sick and who is not, airway anatomy, importance of BLS airway adjuncts and skills, how kids compensate for illness and injury as well as field tested and proven pediatric intubation tips to increase the pre-hospital providers' success.

Instructor: Theresa Ellen Guins, MD

CAR-509 Cardiac Arrest - REPEAT

BLS 05 / ALS 72 / 1.5 CEU Target Audience: All

In this class, we will review the various therapies employed by EMS to the patient in cardiac arrest. The basic therapies are the most important and include high quality, uninterrupted chest compressions and defibrillation. The more complex therapies are important yet much less so; these complex therapies include parenteral access, cardioactive medication administrative, and placement of invasive airways.

Instructor: William Brady, MD

CAR-510 The Cardiac Drug Box

BLS CAT 2 / ALS 73 / 1.5 CEU

Target Audience: BLS, RN, Dispatcher
Does the call for a cardiac arrest make your heart jump? Do the different classes of cardiac medications confuse you? Then this class is for you. This session will discuss the general classes of cardiac medications, common cardiac disease states and apply the concepts using patient case studies. Attending this class will help keep your blood pressure and heart rate down the next time you need to open that cardiac drug box.

Instructor: Christina L. Candeloro

CISM-603 Suicide is Painless, Except it's Not...

BLS 05 / ALS 89 / 1.5 CEU

Target Audience: ALS, RN, Administrators
Suicide is something we deal with on a
regular basis. What happens when the
victim is one of our own? This presentation will review the warning signs of
possible suicidal behaviors and suicidal
ideation, not in our patients, but in our
partners who seem to be unable to reach
out for help, Appropriate interventions
will also be presented.

Instructor: Corinne Elizabeth Flammer

COM-703 Liability, who Needs It? Taming the Liabilty Monster

BLS 07 / ALS CAT 2 / 1.5 CEU

Target Audience: BLS, ALS

The "L" word can strike such fear in an agency as to cause well intended but misguided policies and actually make the EMS provider, dispatcher and the agency more open to litigation. This will be a frank discussion of liability as it relates to EMS providers in the field and public safety communications personnel in the dispatch center and how simple actions can be taken to reduce the potential for legal liability.

Instructor: Richard David Rubino • Co-In-

structor: Hershel Kreis

EDU-807 Don't Lose Your Cool: Dealing With Problem Students

BLS CAT 2 / ALS CAT 2 / 1.5 CEU

Target Audience: Educators

The Know-it-all. The Worrier. The Heckler. The Rambler. The Cheater. Is one rotten apple going to spoil your whole program? This program provides educators of all levels with insight into the sources of student issues as well as the mistakes that instructors commonly make that contribute to classroom unrest. Using lecture, roleplay, and comedy, Rom Duckworth shows how educators can differentiate between difficult students and difficult behaviors, how to deal with immediate classroom problems, and what can be done to avoid trouble before it begins.

Instructor: Rommie L. Duckworth

EDU-808 The Design and Use of Scenarios in the EMS Classroom

BLS CAT 2 / ALS CAT 2 / 1.5 CEU

Target Audience: Educators

There is a very good reason that students enjoy and thrive when using the scenario learning format, it reflects actual working conditions! Next to real life experience, scenarios remain the best way to evaluate a student's knowledge. It is up to us as educators to make sure we are making proper use of this powerful educational adjunct. How we construct and utilize scenarios can be the difference between highly successful program and a mediocre one. Within this presentation we will learn to apply this highly effective learning technique to the EMS classroom

Instructor: Paul Alan Werfel

EVAC-902 Human Factors Training

BLS CAT 2 / ALS CAT 2 / 1.5 CEU

Taraet Audience: All

Crew Resource Management (or human factors training) has been taught in the aviation industry since the 1970's. Why? Because after all these years, human factors are still the #1 cause of crashes in aviation. In fact, human factors are the main causes in almost every machine-related industry. The principles of CRM can be taught in Ground EMS as well. Join us in this presentation to learn how.

Instructor: Susan Marie Smith

HEA-1009 EMS Safety Now!

BLS CAT 2 / ALS CAT 2 / 1.5 CEU

Target Audience: All

This session will discuss not only what's

coming, but what we can do now to improve safety for providers and their patients. Changes in vehicle design and what other countries are doing to improve EMS safety will be reviewed. Additionally we will examine at what's being done by forward-looking EMS agencies in the U.S. to help ensure that their providers go home safe and healthy after every shift.

Instructor: Glenn H. Luedtke

10:30 AM - 12:00 PM Continued...

HEA-1010 The Checklist

BLS CAT 2 / ALS CAT 2 / 1.5 CEU

Target Audience: All

This program will give an overview of patient safety in health care and EMS. The session will examine how the adoption of a checklist for critical procedures and patient care can improve patient safety. Included in this program are real-world examples from the aviation and health care industries where consumer and patient safety have been improved.

Instructor: Matthew Cathcart

LMGT-2005 Negotiation 101

BLS CAT 2 / ALS CAT 2 / 1.5 CEU

Target Audience: All

From the agency administrator to providers in the field, negotiation with others is a critical skill for all EMS providers. This session will consist of an extended negotiation simulation during which students will conduct negotiations as part of a team, where they will have a chance to apply the various types of negotiation stratigies that they learn.

Instructor: Timothy McKay

Limited to: 24

LMGT-2006 Finding Your Passion BLS CAT 2 / ALS CAT 2 / 1.5 CEU

Target Audience: BLS, ALS

Having worked in a variety of fields throughout my career, I learn something new everyday. This class encompasses it all! You'll be challenged to think outside of the box, face and tear down the sometimes challenging wall that separates nurses and EMS personnel, learn how to lead from the middle, how to find your passion, and more! This class will challenge, motivate, and inspire you in both your personal and professional life.

Instructor: Kevin A. Kissner

LMGT-2007 Quality Managment System the Missing Piece

BLS CAT 2 / ALS CAT 2 / 1.5 CEU

Target Audience: BLS Providers, Administrators Let us take the next step of the quality management system journey. By reviewing your data you may find yourself saying, "what do we do with it now" this lecture will help you understand what you need to do with the information you might find.

Instructor: Ray Whatley • Co-Instructor: Brian Hricik

MED-3005 Altered Mental Status in the Movies

BLS 05 / ALS 89 / 1.5 CEU

Target Audience: All

Using television and movie clips, students will identify and differentiate between causes of AMS. Once identified, field treatments will be discussed.

Instructor: Monty Dixon

MED-3006 The Choking Game...It's no Game

BLS 05 / ALS 88 / 1.5 CEU

Target Audience: All

This presentation will discuss a dangerous game that a surprising number of young children and adolescents are engaging in. Many children die each year in this country from asphyxiation games and EMS personnel are often the first responders to this dangerous activity. Learn to identify the hallmarks of this activity and treat the potential consequences.

Instructor: Cathy Fox

OPE-4005 Red Mountain Bus FTX & the Guiding Line

BLS CAT 2 / ALS CAT 2 / 1.5 CEU

Target Audience: All

This presentation is geared primarily for technical rescue/special operations provider. The Red Mountain Field Training Exercise explored what rescue strategies would be needed to respond to a tour bus going over the side ala the Mexican Hat Utah 2008 motor coach accident. Come join Norm as he describes how this was put together, what strategy and tactics were selected, how the FTX played out and the lessons learned.

Instructor: Norman W. Rooker

OPE-4006 The Active Shooter and Your Quick Response - Tactical Emergency Casualty Care

BLS CAT 2 / ALS CAT 2 / 1.5 CEU

Target Audience: BLS, ALS

The class will cover a brief history of active shooter incidents, the mind-set of the shooter, the injury patterns seen and patient treatment. Introduction of Tactical Emergency Critical Care and applying them to an active shooter or similar dynamic incident. Working with law enforcement to establish a relationship, protocols for deployment and establishing hot, warm and cold staging zones. Closing with demonstrations of tourniquets, pressure dressing, and standard ballistic protection.

Instructor: Matthew Dreher

PREP-5006 Treating One of Your Own - A Tragic Day In May, 2006

BLS CAT 2 / ALS CAT 2 / 1.5 CEU

Target Audience: All

This presentation will review a tragic incident involving a lone gunman driving into the rear parking lot of a police station and gunning down two officers and wounding a third. We will look at the agency response and the treatment and transport of the victims as well as lessons learned. We will also discuss the unique aspects of the response due to the medical capabilities of his agency.

Instructor: Paul Glen DeHaven • Co-Instructor: PFC Leonard Mascaro

PREP-5007 You be the Jury!

BLS 07 / ALS CAT 2 / 1.5 CEU

Target Audience: BLS

This is your chance to have a voice in the verdict of the jury for a mock trial...and also witness what happened during a call that resulted in someone being sued. Class members will view a trial video, along with video flashbacks from the call. Then the class will vote, guilty or not guilty? The class will wrap up with a discussion of the verdict by the instructor.

Instructor: Terry Coy

SPE-6007 ASL - Autism as a Second Language, Communicating with Patients on the Autism Spectrum

BLS 05 / ALS 89 / 1.5 CEU Taraet Audience: BLS, ALS

1 out of 100 people in the U. S. are diagnosed with Autism. What will you do when your patient just won't speak to you? Understanding and recognizing the

traits of Autism is critical to learning to communicate with your patients on the spectrum. You will learn techniques to help you effectively communicate with your patients with Autism. Presented by EMS Providers who are the parents of a teenager with Autism.

Instructor: April J McMullen-Eldert • Co-Instructor: Adam J. Eldert, Sr.

10:30 AM - 12:00 PM Continued...

SPE-6008 Upside/Down Kids

BLS 08 / ALS 85 / 1.5 CEU Target Audience: All

Kids come in many differing ways. This presentation discusses basic information concerning the assessment and management of Children with Special Health Care Needs and through discussion and scenario practice, discover the intricacies that make these children special in their own ways and what role we play in their lives.

Instructor: Jules Kay Scadden

TRA-7007 The Dirty Dozen: Beyond the Basics of Thoracic Trauma

BLS 04 / ALS 81 / 1.5 CEU Target Audience: BLS, ALS

They call them the Dirty Dozen; the 12 most common types of thoracic trauma. In this informative and interactive presentation, we will discuss assessment and management of thoracic trauma – what works and what doesn't, what is worrisome and what isn't, and the hidden perils that may lurk behind seemingly insignificant injuries.

Instructor: Steven Kelly Grayson

11:00 AM - 12:00 PM

ALS-305 Assess and Provide Care to a Patient Experiencing an Allergic Reaction

ALS 75/ 1 CEU
Target Audience: ALS

This program will provide CE for ALS area 75 only. You must attend the entire session to receive CE.

Instructor: TBD

12:30 - 2:30 PM

BLS-405 Infection Control

BLS 6/2 CEU

Target Audience: BLS

This is the fifth class in the BLS Academy and will cover the techniques of Body 33rd Annual Virginia EMS Symposium

Substance Isolation (BSI), Personal Protective Equipment (PPE), and safety precautions that can be taken prior to performing the role of an EMT. This topic will be covered from the new Virginia EMS Education Standards.

Instructor: Jimmy Burch

1:30 - 5:30 PM

CAR-511 Hands on Approach to Learning About VADs

BLS 05 / ALS 73 / 4 CEU

Target Audience: ALS, RN, MD

Several different models of VADs are now available in the USA. Move from station to station and get hands on experience with the devices. Meet patients who are implanted with VADs. Be ready and able to respond to VAD Emergencies.

Instructor: Tonya Elliott

Limited to: 100

EDU-809 Excuse me, But May I interrupt? Case-Based Teaching

BLS CAT 2 / ALS CAT 2 / 4 CEU

Target Audience: Educators

This presentation is designed to provide both novice and experienced instructors with the tools to effectively teach using the case based methodology. We will cover several techniques to improve didactic presentations, including the use of interrupted cases, problem based learning, and interactive lectures.

Instructor: Richard Beebe

Limited to: 30

1:30 - 5:00 PM

ADM-105 Now it's Your Turn to Write a Grant!

BLS CAT 2 / ALS CAT 2 / 3 CEU

Target Audience: All

This workshops will take the basics learned in the "Easy Money" workshop and work with the participants to understand the basics of writing, reviewing, commenting and making recommendations on grant applications. Actual grant applications will be reviewed and the participants will provide suggestions based on the class guidance. Participants will work in groups to write an EMS grant applications and receive input from the audience members. This is an excellent class for beginners and advanced grant writers.

Instructor: Amanda Barker Davis

HEA-1011 Have You Thought About Your Safety Lately?

BLS CAT 2 / ALS CAT 2 / 3 CEU

Target Audience: All

Public safety responders don't get to choose the environments into which they must go. Unfortunately, these locations are often fraught with dangers, seen and unseen. We will attempt to make responders more aware of just what kinds of things can bring them harm and how they can better prepare to handle those sticky and dangerous situations.

Instructor: Paul Glen DeHaven

1:30 - 3:00 PM

AIR-207 Is Your Service Ready for RSI?

BLS CAT 2 / ALS 88 / 1.5 CEU

Target Audience: RN, Administrators

As rapid sequence intubation (RSI)/ Etomidate-only intubation become more popular in EMS many agencies are considering adding this advance skill to their providers' arsenal. In this presentation key concepts of instituting and maintaining a successful RSI program will be discussed. Key discussions will be directed toward; legalities, protocol development, medical direction, continuous quality improvement/assurance, and proficiency maintenance. Care has been taken to utilize evidence-based medicine and science where possible.

Instructor: Fred Ellinger, Jr.

AIR-208 Secrets of the Pediatric Intubated Patient: Evidence-Based Keys to Success

BLS CAT 2 / ALS 85 / 1.5 CEU Target Audience: ALS, RN, MD

Pediatric intubations and care of the intubated pediatric patient continue to be a concern for providers in the EMS and critical care transport medicine environment. Successful transport of these patients can be influenced by simple factors of which you may not be aware. This lecture will review evidence-based research and case studies related to the placement, securing, and maintenance of the pediatric ETT.

Instructor: Leslie Caffrey Grant • Co-Instructor: Matt Payne

1:30 - 3:00 PM Continued...

CAR-512 Chest Pain - Differentiating What is Deadly From What is Merely Incidental

BLS CAT 2 / ALS 73 / 1.5 CEU

Target Audience: All

Chest pain is one of the most common complaints that we get in EMS and it is important that we can differentiate between what is deadly and what is not. His will be an EMS focused class describing the how to evaluate CP patient (ECG, IV, POC testing, etc) and build a differential diagnosis (ACS, PE, Dissection).

Instructor: Michael Christopher Kurz, MD

CISM-604 When a Child Dies... What Next?

BLS 05 / ALS 89 / 1.5 CEU Target Audience: BLS, ALS

Death of any patient is hard but a pediatric death can be profound. This is a video scenario/discussion on the death of a pediatric patient. Discussion of some common pitfalls and how that can impact families grieving. How to help your fellow coworkers through support and program guidelines for debriefing.

Instructor: Tiffany Leigh Kidd

EDU-810 Thinking at Light Speed: **Developing Good Instincts In Your Students**

BLS CAT 2 / ALS CAT 2 / 1.5 CEU

Target Audience: Educators

"Two plus two equals four." But how do we react when two plus two equals... cauliflower? Current EMS curricula heavily promote the use of assessment and treatment algorithms, but does the algorithmic approach to patient care help develop those "thinking on your feet" skills so crucial to our profession? This session will examine the perils and pitfalls of assessment and treatment algorithms and explore teaching strategies that encourage our students to think critically and develop the problem solving skills necessary for Thinking At Light Speed.

Instructor: Steven Kelly Grayson

EVAC-903 Are we There Yet?

BLS CAT 2 / ALS CAT 2 / 1.5 CEU

Target Audience: All

Several years ago, the air medical industry implemented a new initiative called Vision Zero, with the goal of zero preventable fatal accidents. How are we doing? Join us

for a presentation on what measures have been taken to make our industry safer and a review of recent National Transportation Safety Board reports on medevac crashes with a "lessons learned" approach.

Instructor: Susan Marie Smith

HEA-1012 Stay Injury Free and

BLS CAT 2 / ALS CAT 2 / 1.5 CEU

Target Audience: All

Three simple techniques, which are rarely taught, can keep you healthy and injury free. No one wants to get hurt or worse drop a patient. Understand how to protect your back, improve flexibility and increase wellness all while on duty. Learn how a tennis ball can change you body and learn cutting edge techniques being taught to tactical teams and professional athletes to keep you healthy and on the street.

Instructor: Bryan E. Fass

Limited to: 35

LMGT-2008 Asleep Behind the Wheel

BLS CAT 2 / ALS CAT 2 / 1.5 CEU

Target Audience: All

The University of Pittsburgh recently conducted a study on the effects of 24-hour shifts on EMS providers. This and past research begs the question: Is it time to eliminate 24-hour shifts in EMS? What were the results of this research? How would reduction of shifts impact the EMS system nationwide? Come take a humorous approach to a very serious issue and see how this administrative change will forever change EMS as we know it.

Instructor: Jason Ferguson

LMGT-2009 Now You're an Agency Leader; Is This a Rescue Squad or a **Business?**

BLS CAT 2 / ALS CAT 2 / 1.5 CFU

Target Audience: Administrators

This program will provide a brief overview of the administrative hurdles associated with being an agency administrator. Topics of discussion will include financial hurdles (such as budgeting and financial statements), marketing/public relations, and customer service. We will also discuss administrator transitions and team buildina skills.

Instructor: Adam L. Harrell

MED-3007 Bites, Snakes, Jellyfish, and **Other Envenomations**

BLS 05 / ALS 89 / 1.5 CEU

Target Audience: All

This presentation will serve as a review of environmental emergencies relating to envenomations. Although the majority of material covered will encompass the fauna encountered in the Commonwealth region, certain "cannot miss" entities will also be presented. This presentation will focus on approaches for the evaluation and stabilization of potential envenomations.

Instructor: Chris Hogan, MD

MED-3008 What Every Diabetic Wants You to Know...Even if They Don't Know It

BLS 05 / ALS 89 / 1.5 CEU

Target Audience: BLS, ALS

Who doesn't enjoy a good diabetic call? Juice 'em up and go in service! Right? Wrong. Diabetes is a devastating disease that affects every body system, producing complications the patient may not even be aware of. In addition, there is the increasing number of medications and technological devices to consider. Come listen to a diabetic let you in on what every diabetic wants you to know.

Instructor: Angela Goodwin-Slater

OPE-4007 Detection of Chemical, Biological, and Radiological Agents BLS CAT 2 / ALS CAT 2 / 1.5 CEU

Target Audience: BLS, RN, ALS

A crucial part of responding to a WMD incident is the ability to detect those agents. Agent detection plays a role in determining protective gear, decontamination, treatment, and site clean-up. While technology has advanced over the past decade, there are still gasp in field detection capabilities. Learn what technologies and equipment are available to detect WMD agents, and how to use the information to make informed response and treatment decisions.

Instructor: Scott Cormier

OPE-4008 Risk Assessment and Decision Making for EMS Incidents

BLS 02 / ALS CAT 2 / 1.5 CEU

Target Audience: All

The first arriving unit's actions unit can make or break the incident. When the unit officer's initial training is completed, the next step is developing sound risk assessment and decision making skills. This presentation offers an engaging discussion

for officers or those desiring to become officers to build or enhance the assessment and decision making framework used for initial incident operations.

Instructor: Richie Bowers • Co-Instructor: Jennie Collins

1:30 - 3:00 PM Continued...

PREP-5008 Mock Deposition - New and Improved

BLS 07 / ALS CAT 2 / 1.5 CEU

Target Audience: All

In a reprisal of one of the most requested sessions, we are happy to once again present the mock deposition. This lecture will review some of the legal framework surrounding when and how EMS personnel give sworn testimony, then present a scenario-based experience where a short deposition is conducted and students can see exactly where the common pitfalls are in giving testimony.

Instructor: Matthew R. Streger • Co-Instructor: Raphael M. Barishansky

SPE-6009 Autism and EMS Response Security Security Security Security Security Security Security Security Security Security Security Security Security Security Security Security Security Security Security Security Security Security Security Security Security Security Security Security Security Security Security Security Security Security Security Security Security Security Security Security Se

BLS 05 / ALS 89 / 1.5 CEU Target Audience: All

1 in 110 children have been diagnosed with Autism. What will you do when one of these children need to be transported on your shift? This presentation will specifically focus on the rising needs of individuals with autism in our society. Awareness of the types of autism, behavioral characteristics, and strategies for treating patients with autism will be shared.

Instructor: Denise May Hammond

SPE-6010 'Grandma's Fallen and She Can't Get Up' – Challenging Geriatric Case Studies

BLS 04 / ALS 90 / 1.5 CEU

Target Audience: All

This session presents several true-to-life cases involving elder patients. Included will be injuries resulting from falls, burns and elder abuse. In addition to assessment and treatment, we'll discuss what we can do as EMS providers and agencies to help prevent these often devastating injuries. Join with veteran EMS provider and educator Glenn Luedtke as he takes us through another series of unusual and fascinating cases.

Instructor: Glenn H. Luedtke

TRA-7008 Crush Injuries: From Compartment Syndrome to 'Smiling Death'

BLS 04 / ALS 90 / 1.5 CEU Target Audience: ALS, RN, MD

An overview of crush injuries including the pathology, physiology, and differences between compartment syndrome and crush syndrome and how to recognize them. Students will learn that these injuries are much more prevalent than previously thought, why Crush Syndrome is known as "smiling death" and how to head it off at the pass with a set of model TX protocols, along with the rationale and case histories to back them up.

Instructor: Norman W. Rooker

TRA-7009 Spinal Immobilization; How Rigid do we Need to Be?

BLS 04 / ALS 80 / 1.5 CEU

Target Audience: BLS, RN, ALS

Spinal immobilization has been one of the cornerstones of the pre-hospital care of injured patients. Are we really achieving what we think we are? How effective are our current immobilization strategies? Can EMS providers more effectively identify patients who will, and won't, benefit from spinal immobilization? What is the best way to manage the airway in the traumatized and immobilized patient? Are there complications to spinal immobilization? Emphasis will be given to examining the available evidence regarding spinal immobilization.

Instructor: George Harris Lindbeck, MD

1:30 - 2:30 PM

ALS-306 Assess a Patient With Possible Overdose

ALS 76/1 CEU

Target Audience: ALS

This program will provide CE for ALS area 76 only. You must attend the entire session to receive CE.

Instructor: TBD

3:00 - 5:00 PM

BLS-406 Infants & Children

BLS 8 / 2 CEU

Target Audience: BLS

This is the sixth lecture in the BLS Academy. Attendees will cover topics related to medical and trauma situations involving infants and children. This information will be taught to the new Virginia EMS Education Standards.

Instructor: S. Heather Phillips

3:00 - 4:00 PM

ALS-307 Assess and Provide Care to a Near-Drowning Patient

ALS 77 / 1 CEU

Target Audience: ALS

This program will provide CE for ALS area 77 only. You must attend the entire session to receive CE.

Instructor: TBD

3:30-5:00 PM

AIR-209 Pediatric Airway Management

BLS 08 / ALS 85 / 1.5 CEU

Target Audience: All

This session will review the concepts of anatomy, perfusion, assessment and management of the pediatric airway in a pre-hospital setting.

Instructor: Gene McDaniel

AIR-210The Coughing, Wheezing Child

BLS 08 / ALS 85 / 1.5 CEU Target Audience: BLS, ALS

This lecture will include discussion, diagnosis and management of a number of entities that cause cough in the pediatric population, including Foreign Bodies, Croup, Asthma, Bronchiolitis, and Pertussis.

Instructor: Theresa Ellen Guins, MD

CAR-513 CPR on the Move

BLS 05 / ALS 72 / 1.5 CEU

Target Audience: All

Many times during our career as EMS providers we will be called upon to perform CPR while in transport. During the performance of CPR, ambulance safety is an important concern for both EMS providers and patients. This session will address the quality and safety of CPR performed while transporting a cardiac arrest patient.

CISM-605 If I Can't See the Trauma, Does it Still Hurt?

Instructor: Michael Christopher Kurz, MD

BLS 05 / ALS 89 / 1.5 CEU

Target Audience: All

It seems like everyone these days is diagnosed with PTSD. It's not that it's too easy to get the diagnosis. Rather, it's an indicator of how far and how bad things have become. The key letter in PTSD is P for Post. We're not doing enough to manage traumatic stress. Learn what can be done to manage and minimize traumatic stress in the Pre and Present phases. There's no need for so many people to hurt so bad for so long without

attention. It might be you, your partner, or your friend that suffers. No matter who it is, it can definitely be you that helps. The tips, tools, and information you will learn can help you self-manage the events in your life and also assist others in getting through to the other side.

Instructor: David Powers

3:30-5:00 PM Continued...

COM-704 Provide Appropriate and Effective Care Without Dispatching an Ambulance

BLS CAT 2 / ALS CAT 2 / 1.5 CEU Target Audience: BLS, ALS

"Discover out how working with community healthcare service providers to make the most of shrinking resources while better serving patients. Learn how the fully integrated use of a Directory of Services can be a "one stop shop" for dispatchers by connecting patients to the nearest, most appropriate, and available healthcare provider in that single first call for help. Instructor: Mark Rector

Limited to: 50

EDU-811 The Essence of EMS Education

BLS CAT 2 / ALS CAT 2 / 1.5 CEU

Target Audience: Educators

Are there qualities that the most successful EMS educators have? Sure! What are these qualities? And how do we get them? Led by long time educator and JEMS Case of the month author, Paul Werfel, participants will systematically examine the things that go into making a great instructor. We will also discuss the application of these qualities in the modern EMS classroom.

Instructor: Paul Alan Werfel

HEA-1013 Fitness in Uniform BLS CAT 2 / ALS CAT 2 / 1.5 CEU

Target Audience: All

Are your exercises dangerous or ineffective? This course dissects the common exercise and fitness mistakes that contribute to injury or reinforce injurious patterns. Join in and learn the fundamentals of 'Corrective Exercise', Myofascial Release, and apply active & passive and functional stretching all to keep you at optimum performance. Learn cutting edge fitness techniques designed to drastically improve performance while reducing injury. *Instructor: Bryan E. Fass*

Limited: 30

LMGT-2010 Medical Error

BLS CAT 2 / ALS CAT 2 / 1.5 CEU

Target Audience: All

Preventing medical errors is one of the most important efforts currently underway in the medical community. This lecture will look at some of the common areas where medical errors occur and tools to prevent them. In addition, this lecture will address some of the more interesting dynamics associated with medical errors, including investigation and publication, crew and teamwork tools, and whether or not to apologize for errors when the occur. *Instructor: Matthew R. Streger*

LMGT-2011 Do You Have What it Takes? Defining and Understanding Professionalism in the World of EMS

BLS CAT 2 / ALS CAT 2 / 1.5 CEU

Target Audience: All

We have all heard various terms used to describe EMS providers – career, volunteer, probie, rookie, woodchuck, burn-out – but how many times have you heard the word "professional" or even the term "professionalism" in relation to an EMS provider or agency? This presentation will define these terms and speak about the various components that go into a person and an agency living up to the word "professional".

Instructor: Raphael M. Barishansky

MED-3009 Basic Pharmacology of EMS Drugs

BLS CAT 2 / ALS CAT 2 / 1.5 CEU

Target Audience: All

Go beyond the Cookbook. Join this session to review the basic pharmacology of EMS drugs. We will review "how" each of these drugs work (pharmacodynamics/kinetics) and "why" we give them to treat patients (pharmacotherapy). A few dangerous interactions that must be avoided will also be covered.

Instructor: Christina L. Candeloro

MED-3010 Bubbles, Bubbles, Toils and Troubles

BLS 05 / ALS 77 / 1.5 CEU

Target Audience: BLS, RN, ALS

Bubbles can be lots of fun, except when they're in your bloodstream. This presentation investigates the dangers of air and pressure on the human body. We will reach new heights discussing altitude physiology and sink to new lows reviewing decompression sickness. Gas laws, the affects of pressure, and the dangers of caring for and transporting this patient population will be reviewed.

Instructor: James L. Miller

OPE-4009 First Due / On-Scene: The 5 Keys to Managing any Emergency Incident

BLS CAT 2 / ALS CAT 2 / 1.5 CEU

Target Audience: BLS, Dispatcher

As emergency responders, we all have the potential to be First Due / On-Scene, arriving at calls that have the potential to quickly get away from us. Focusing on core principles of emergency management, this program presents the 5 fundamental keys that every responder should have with them at 3 AM by the side of the road on a dark and stormy night.

Instructor: Rommie L. Duckworth

OPE-4010 Too Many of 'em...Not Enough of Us! MCI and Practical Triage

BLS 02 / ALS CAT 2 / 1.5 CEU

Target Audience: BLS, ALS

Does an MVC constitute a disaster? Should you establish incident command? What sectors do you use? Which patients are cared for first? A highly interactive presentation "Too many of 'em" addresses these questions that are often asked by first responders at the scene of an MVC. Through an interactive presentation students will not only learn about a modified incident management system but will learn to triage adult and pediatric patients.

Instructor: Kyle David Bates

PREP-5009 Beavis & Butthead are Back! It's Shake and Bake Time

BLS 02 / ALS 76 / 1.5 CEU

Target Audience: All

The recent upward trend of the manufacturing of methamphetamines will be discussed. A process that once was very complicated and time intense is now a chemistry lab in a liter soda bottle that is manufactured while driving on the highway. Behavioral considerations will be discussed as well as provider safety. Participants will have a better understanding how the new simpler process has multiple problems associated with this concept.

Instructor: Travis Lee Karicofe

3:30-5:00 PM Continued...

PREP-5010 Hemodynamic Monitoring for Critical Care Transport

BLS CAT 2 / ALS 73 / 1.5 CEU Target Audience: RN, ALS, MD

Hemodynamic monitoring is a specialized and invasive monitoring of critically ill patients. Critical Care Transport personnel must understand the fundamentals and technology involved in the safe transport of patients with invasive monitoring lines. This course will present the fundamentals of safely transporting a patient with invasive monitoring, with an overview of equipment and different invasive waveforms.

Instructor: John Michael Watkins

SPE-6011 Little Dab Will do Ya

BLS 08 / ALS 76 / 1.5 CEU

Target Audience: All

This presentation will discuss dangerous and lethal pediatric ingestions and accidental poisonings. Some liquids, medications, and products can lead to dangerous outcomes in children, come hear about some of the bizarre and rare pediatric toxicological cases and ideas for effective management.

Instructor: Cathy Fox

SPE-6012 Perfect Storm - OB Emergencies

BLS 10 / ALS 91 / 1.5 CEU

Target Audience: All

"We have a secret in our culture, it's not that birth is painful, it's that women are strong." (Laura Stavoe Harm) The miracle of birth begins with the physical and emotional growth and development for both mom and baby. This presentation discusses emergencies that can occur during pregnancy and birth, the assessment and management of select OB emergencies and the emotional and psychological effects OB emergencies can have on everyone.

Instructor: Jules Kay Scadden

TRA-7010 Management of the Pediatric Trauma Patient

BLS 08 / ALS 87 / 1.5 CEU Target Audience: BLS, ALS

Pediatric trauma patients should not be treated like "small adults" in the pre-hospital setting. This session will provide an overview of the basic management principles of the pediatric trauma patient from the unique physiologic characteristics of

infants and toddlers to age specific ATLS guidelines for the pediatric population. *Instructor: Christopher M. Woleben, MD*

TRA-7011 "My Gut Hurts"

BLS 04 / ALS 82 / 1.5 CEU Target Audience: BLS, ALS

This graphic lecture will discuss the various types and mechanisms of injury leading to penetrating abdominal trauma. A review of anatomy, physiology and ballistics will help the participant further understand the short and long term effects of penetrating injury. Management will include: ABCs, wound management, fluid and shock resuscitation. The positive effects of pre-hospital and emergency resuscitation will be reinforced.

Instructor: Marilyn K. Bourn

4:00 - 5:00 PM

ALS-308 Provide Care to a Patient With Shock/Hypoperfusion

ALS 83 / 1 CEU

Target Audience: ALS

This program will provide CE for ALS area 83 only. You must attend the entire session to receive CE.

Instructor: TBD

Saturday Courses 8:30 - 12:30 AM

BLS-407 Trauma Emergencies

BLS 4 / 4 CEU

Target Audience: BLS

This is the seventh class in the BLS Academy and it will cover the care of the patient with internal or external bleeding, signs, symptoms and the emergency medical care of shock, and overall assessment and management of a variety of traumatic emergencies.

Instructor: Julie F. Chase

8:30 AM - 12:00 PM

ADM-106 QA Made Easy

BLS CAT 2 / ALS CAT 2 / 3 CEU

Target Audience: BLS, ALS

For small and rural EMS agencies, the development of an effective Quality Management program may seem like an unreachable task. This program is designed to outline the characteristics and benefits of a great QA/QM program, and share

simple but effective tools that are designed to help you achieve your goals; to help you make the best use of the information you receive; and to remain compliant with the Virginia EMS Regulations. It CAN be easy!

Instructor: Jimmy Burch

AIR-211 Advanced Airway Lab

BLS CAT 2 / ALS 88 / 3 CEU

Target Audience: ALS, RN, MD

Learn techniques in advanced airway management in a hands on airway class. Each student will have the opportunity to use new airway techniques, new technology, perform surgical airways, learn about advanced capnography, and intubate simulated difficult airways.

Instructor: Allen Yee, MD

Limited to: 30

CAR-514 Cardiac Arrest With a Team Approach

BLS 05 / ALS 73 / 3 CEU Target Audience: BLS, ALS

Resuscitation is only as successful as the team working the arrest. This class will use simulation manikins to provide the students with "hands on" training with an emphasis on students working as a team to successfully resuscitate the patient. Code simulation will include IV access techniques, airway procedures and multiple monitoring systems.

Instructor: Jeremy Scott Wampler • Co-Instructors: Joshua Wimer, Michael Arbaugh

Limited to: 30

EDU-812 EMS Instructor Update

BLS CAT 2 / ALS CAT 2 / 4 CEU

Target Audience: All

This session will discuss training and education issues, accreditation, quality assurance and administrative updates from the Office of EMS. This program will fulfill the update requirement for EMT Instructors and ALS Coordinators and EOIs to attend a mandatory update every two years. You do not need to register for symposium to attend this program.

Instructor: Warren Short • Co-Instructors: Greg Neiman, Debbie Akers, Chad Blosser



8:30 - 10:30 AM

ALS-309 Provide Ventilatory Support

ALS 71/2 CEU

Target Audience: ALS

This program will provide CE for ALS area 71 only. You must attend the entire session to receive CE.

Instructor: TBD

8:30 AM - 10:00 AM

AIR-212 Kiss My Asthma

BLS CAT 2 / ALS 88 / 1.5 CEU Target Audience: BLS, RN, ALS

This course will take an in depth look at asthma and the importance of early interventions. An emphasis will be placed upon understanding the pathophysiology of asthma and the pharmacodynamics that occur while treating this patient population. The use of CPAP/BiPAP, mechanical ventilation, capnography, and multiple pharmacological agents to include heliox and ketamine will be reviewed. This presentation will be steeped in physiology and evidenced based medicine. Instructor: Robert Jeffrey McCusker

CAR-515 Implementing Therapeutic **Hypothermia in Your Agency**

BLS 05 / ALS 74 / 1.5 CEU Target Audience: All

Therapeutic hypothermia has had proven benefits to our cardiac patient population and while many EMS agencies are seeking to provide therapeutic hypothermia to the patients they serve, the operational and political challenges to providing the service are significant. This session will highlight those challenges and identify common agency level pitfalls to implementing a hypothermia program and building consensus with other institutions. Participants will leave with strategies and talking points to bring back to their agencies to assist with implementation of hypothermia programs.

Instructor: Michael Christopher Kurz, MD

CISM-606 Mason's Crossing

BLS 05 / ALS 89 / 1.5 CEU Target Audience: All

The first funeral I ever spoke at was for my nephew Mason who passed away after only six days in a neonatal ICU. It was the single most catastrophic event to ever to occur in my life. This event occurred in

the midst of other tragedies in my life...a paramedic friend who committed suicide, the loss of my mentor and grandfather, the loss of a fireman friend following a house fire, and the loss of a close friend to an IED in Irag. The accumulated events were too much for me, and I entered a spiral of misery and depression. I began studies in mental health counseling as a form of self-therapy and soon discovered that I could channel my hurt and depression into a passion to help others. Mason's Crossing is the story of my journey.

Instructor: David Powers

EDU-813 From Intern to Released Provider

BLS CAT 2 / ALS CAT 2 / 1.5 CEU Target Audience: BLS, Administrators Have you ever wondered how you take a new EMS employee and get them to become a released EMS provider? It is not just getting them through your EMS recruit school rather it should be on how to build from that foundation. We will show you what we expect of our Field Training Officers and Interns. Quizzes, evaluations, scenarios, written exams and the dreaded OMD scenarios. Be prepared to share your knowledge and your lessons learned.

Instructor: Ray Whatley • Co-Instructor: Brian Hricik

EDU-814 Precepting in EMS: Teaching the Teacher

BLS CAT 2 / ALS CAT 2 / 1.5 CEU Target Audience: BLS, RN, ALS

This course is a resource for new and experienced EMS preceptors and Field Training Officers. The field preceptors provide the direct supervision of new providers, and are often the ones who truly develop the next generation of EMS providers. In addition to skills, preceptors teach attitude and approaches to situations, developing lifelong habits. Discussion-based program addresses the complications of precepting EMS students in a wide variety of situations; bring experiences and ideas.

Instructor: John Michael Watkins

HEA-1014 Can We Learn From Humor

BLS CAT 2 / ALS CAT 2 / 1.5 CEU

Target Audience: All

Humor is a necessary tool in order to stay sane in this profession. The sarcasm, jokes, and comments traded between public safety providers are often found to be a form of stress relief. Aside from the psychological benefits of humor, valuable lessons can be learned. James will share with you some of the hilarious situations he has faced in his career and the lessons he has learned from each experience.

Instructor: James R. Williams

LMGT-2012 Talladega Nights! What **EMS Can Learn From NASCAR and Oth**er Sports Organizations

BLS CAT 2 / ALS CAT 2 / 1.5 CEU

Target Audience: All

How do NASCAR pit crews work so smooth and quickly? Why is Coach K of the Duke Blue Devils so successful? How do sports teams win championships? Effective Emergency Medical Services doesn't rely on the efforts of an individual. It relies on a team approach just like team sports. Races are won not only by the driver, but are accomplished by the efforts of the entire crew. Many EMS organizations are initiating a "Pit Crew" response so that everyone understands his/her roles so that calls run more smoothly. Come find out how you can implement a better team approach in your organization.

Instructor: Jason Ferguson

LMGT-2013 'It Takes Different Strokes to Move the World' - Understanding Generational Realities in the **EMS Workplace**

BLS CAT 2 / ALS CAT 2 / 1.5 CEU

Target Audience: All

Veterans, Baby Boomers, Generation X, Generation Y – we have all heard the terms and probably have had to deal with some realities in regard to the way that different generations perceive each other and how those perceptions can impact your workplace (aka your EMS agency). This lighthearted, yet informative, lecture will define these groups and sub-groups, show the differences and similarities of these generational groups and provide much needed perspective.

Instructor: Raphael M. Barishansky

MED-3011 Annual Infection Control/ **OSHA Update**

BLS 06 / ALS 89 /1.5 CEU

Target Audience: BLS, RN, Administrators Review updated disease and regulatory information regarding OSHA compliance and infection control practices. Learn about what new since last year and what may be in required in the near future. And,

meet your annual training requirement. Instructor: Katherine H. West

8:30 - 10:00 AM Continued...

MED-3012 "Weak, Winded and Woozy...What's Wrong?"

BLS 02 / ALS 78 / 1.5 CEU

Target Audience: RN, ALS

So often patients present as an enigma. Dozens claim weakness, lightheadedness, shortness of breath and exercise intolerance as chief complaints. This could be anything from soup to nuts, but just might be the prelude to disaster. Let's explore the world of differentials as participants learn the art of a combining a thorough history, careful physical exam, and good old fashion gut instinct to divining the real reason for the call and providing just the right care. EMS responders must be able to think critically...let's see how you do in a fun journey out-chasing the zebras.

Instructor: Connie Jean Mattera

OPE-4011 Preparedness...Are You Ready When Disaster Strikes?

BLS CAT 2 / ALS CAT 2 / 1.5 CEU

Target Audience: All

Many people are not as well prepared to handle disasters as they think. Are you personally prepared to respond and to care for your family when one occurs? Reasonable to whacky; power failures to hurricanes; doomsday prepping to the zombie apocalypse ... this program examines system and personal readiness; home preparedness; and will examine some of the reasons why people act the way they do during emergencies. *Instructor: Jeffrey Scott Lewis*

OPE-4012 Structural Collapse Medicine: An Overview

BLS CAT 2 / ALS CAT 2 / 1.5 CEU

Target Audience: BLS, Administrators
Earthquakes aren't the only reason buildings fall down. This workshop reviews the most common causes of structural collapse, what medics should look for and be aware of when called to the scene of a building collapse plus an overview and discussion on the kinematics and types of injuries most likely associated with each type of collapse, both by event and by time of day and some suggested specific treatment modalities.

Instructor: Norman W. Rooker

OPE-4013 The Wheels on the Bus Go Upside Down

BLS CAT 2 / ALS CAT 2 / 1.5 CEU

Target Audience: All

A crash involving a bus is a challenging incident response. Join this interactive session where several recent bus crash case studies will be reviewed. Examine these challenges and discuss what strategies can be developed regarding the deployment of multiple levels of mass casualty resources. Come discuss how to prepare your agency for responding to the bus that has wheels that go round and round, and unfortunately upside down at times. *Instructor: Bowers, Richie • Co-Instructor: Jennie Collins*

PREP-5011 Sage Advice: What You Need and Want to Know About Herbal and Other Alternative Therapies

BLS 05 / ALS 76 / 1.5 CEU Target Audience: BLS, ALS

Going Green is growing: electric cars, eservices & natural health. Let's explore the history of herbal alternatives into modern medicines, the hows, whys & clues common daily medicinals provide to a patient's medical history. Also, "Bad medicines": possible side-effects from herbal remedies i.e. abortives, & good starts: aides to our treatments you'll want to know about (i.e. vasodilators used in stroke & ACS) & cautionary tales of interactions.

Instructor: Jenna Mae Smith

PREP-5012 Things That Make You Go Hmm....Medical Case Studies

BLS 02 / ALS 78 / 1.5 CEU

Target Audience: All

You've learned the signs and symptoms, but what would you come up with for differential diagnoses these medical presentations? Join us for a case study approach of several patients' complaints upon entering the Emergency Department triage, to diagnosis and treatment. Learn the outcomes of each, cutting edge procedures available that may change future outcomes and what the ideal facility for treatment would offer. Warning: Hmmm too long and your patient may crash!

Instructor: Catherine "Winnie" Dunn • Co-Instructors: Shannon Southard, Allen Yee, Michael Kurz, Nathan Lee

SPE-6013 When Little Ones Get Big Boo-Boos: Pediatric Trauma

BLS 08 / ALS 86 / 1.5 CEU

Target Audience: All

We've always been reminded that pediatric patients are not "little adults", this is especially true when dealing with a critically injured patient. In this session we will review developmental differences of kids, and focus on the major body systems to see why injured kids can get in trouble fast. This session reviews assessment and management of pediatric trauma.

Instructor: Kevin McFarlane

SPE-6014 'When You're 64' Geriatric Emergencies

BLS 02 / ALS 78 / 1.5 CEU

Target Audience: All

EMS providers have frequent contact with Geriatric patients, yet we tend to treat them no differently then our other patients. This interactive session will address the special issues surrounding the assessment, emotional and psychological issues, physical care and packaging of this special patient population.

Instructor: Jules Kay Scadden

TRA-7012 Crunch Time! Facial Injuries

BLS 04 / ALS 79 / 1.5 CEU

Target Audience: ALS, RN, MD

Facial injuries occur as isolated injuries and as part of multi-system trauma. Facial injuries can range from the benign to life threatening, potentially producing significant disability. In this session, management of common facial injuries is discussed and EMS impact on long term outcome of these injuries.

Instructor: Jeff W. Myers

TRA-7013 Down on the Farm - Farm Trauma!

BLS 02/ ALS 78 / 1.5 CEU

Target Audience: RN, ALS, MD

Lecture that provides an overview of farm related trauma and the different in kinetics and mechanisms of injuries related to heavy equipment incidents. Correlate farm trauma as a significant injury that is usually associated with rural settings that requires trauma center referral quickly and from the field. What the heck to do when you are stuck with those patients in bad weather for a long ambulance ride? *Instructor: Travis Lee Karicofe*

8:30 - 10:00 AM Continued...

TRA-7014 "EMS Is Like a Box of Chocolates, You Never Know..."

BLS 02 / ALS 78 / 1.5 CEU *Target Audience: BLS, ALS*

This presentation will examine the unique aspects of several bizarre and unusual traumatic events. The cases include both pre-hospital and hospital challenges and demonstrate the importance of creative patient care and team work.

Instructor: Marilyn K. Bourn

10:30 AM - 12:00 PM

AIR-213 Understanding Airway Management, or Not

BLS 03 / ALS 88 / 1.5 CEU Target Audience: ALS

This session will review the importance of airway anatomy and the role airway and ventilation play in perfusion. This session will also review airway management techniques and equipment for airway management including the difficult airway in medical and trauma patients.

Instructor: Gene McDaniel

AIR-214"Gag Me" - Current Trends in Airway Management

BLS CAT 2 / ALS 88 / 1.5 CEU Target Audience: ALS, RN

This presentation will review of some of the current literature regarding intubations, RSI and changing trends in advanced airway management. The discussion will include a review of the advantages and disadvantages of various adjuncts to airway management including, supraglottic single and multi-lumen airways, combitubes, LMAs, and King tubes. Research based information and case presentations will be used to demonstrate the clinical concepts.

Instructor: Marilyn K. Bourn

CAR-516 Treatment for End Stage Heart Failure With LVADs

BLS 05 / ALS 73 / 1.5 CEU

Target Audience: ALS, RN, Educators

With more patients being discharged from the hospital into the communities with cardiac device, it becomes imperative the EMS providers be familiar with Left Ventricular Assist Devices. This session will explore treatment for End Stage Heart Failure with L-VADs, who is a candidate, what do EMS Providers need to

know about Heart Failure, and related emergencies. Don't let treating patients with VAD's cause you chest pain.

Instructor: Tonya Elliott

CISM-607 Coping When it Doesn't Work

BLS 05 / ALS 89 / 1.5 CEU Taraet Audience: All

Countless hours are spent by EMS professions learning assessment, medications, and how to use our tools. However, there are occasions when regardless of how "by the book" things are done, the outcome is not positive. This session explores the science behind some of our knowledge we carry. In addition, James will provide tips, information, and insight on how to deal with the emotional and physical reactions providers may face.

Instructor: James R. Williams

COM-705 911 and MCI, The Role of Dispatch in a Mass Casualty Incident

BLS CAT 2 / ALS CAT 2 / 1.5 CEU

Target Audience: BLS, ALS

The 911 Dispatcher is the first public safety responder to know when a Mass Casualty Incident occurs, but what are the roles and responsibilities of dispatch after the field responders are en route? Discussion will include how dispatch remains a necessary component for effective and organized management when the public safety system gets overwhelmed!

Instructor: Ken Crumpler

EDU-815 Everything That I learned About Teaching EMS I Learned in El-Ed

BLS CAT 2 / ALS CAT 2 / 1.5 CEU

Target Audience: Educators

The main difference between teaching EMS folk and teaching at the fourth grade is that we have previous experiences, hence making the fourth-grader easier to deal with. This fun presentation will look at cognitive development, educational principles, and audience brainstorm activities that can be used in your classroom. If these don't work then I guess we can just stay after school!

Instructor: Kyle David Bates

EDU-816 Failing to Plan is Planning to Fail: The Art of Lesson Plans

BLS CAT 2 / ALS CAT 2 / 1.5 CEU Target Audience: Educators

One would never attempt to build a house without an architectural plan, yet

we often try to build engaging, academically sound, and student-centered classes without a plan and then wonder why learning didn't occur or we weren't a resounding success. Don't send a chicken to eagle school! EMS needs excellent educators and they need carefully crafted lesson plans that artfully design powerful learning experiences. It's fun! Come explore the means to design for understanding in a way that avoids curricular chaos and brings the classroom alive! *Instructor: Connie Jean Mattera*

EVAC-904 Planning Ahead for Landing Zone Safety?

BLS CAT 2 / ALS CAT 2 / 1.5 CEU

Target Audience: BLS, Administrators

Title: Please remove the question mark Description: Do you have Landing Zone Anxiety? The patient is critical and you need a landing zone now, where do you go? This presentation will demonstrate how one rescue squad answered that question. Through working with the town GIS a detailed book with all Landing Zones complete with aerial pictures and maps was created. Come and learn from the EMS and Flight Crew involved as to how this was done, what we learned through the process and why we are ALL safer and more efficient because of it.

Instructor: Stacey Noelle Schellhammer • Co-Instructor: Kenneth Gay

HEA-1015 It Could Happen to

BLS CAT 2 / ALS CAT 2 / 1.5 CEU Target Audience: BLS, ALS

This is a case study on the 1996 motor vehicle accident involving a Chesapeake Fire Department engine which resulted in a fatality. The session focuses on the lessons learned; importance of documentation; the events of the subsequent lawsuit and trial; and the lasting impressions from this devastating incident – conducted by the involved engineer/driver of the apparatus. *Instructor: S. Heather Phillips*

HEA-1016 Rehab: Beyond the Water Cooler

BLS CAT 2 / ALS CAT 2 / 1.5 CEU

Target Audience: BLS, Administrators
Personnel rehab, whether at an emergency incident or a training scenario, can be an easily overlooked aspect of operations. Many agencies rely on on-scene personnel to make decisions if rehab is

necessary. However, rehab needs to be a priority for all responders. Rehab provides responders with an ability to rest and rehydrate during on-scene operations. It provides recovery time and can significantly decrease negative health impacts of emergency operations.

Instructor: Karen C. Owens

10:30 AM - 12:00 PM Continued...

LMGT-2014 'Oops, I Did it Again!' Root Cause Analysis in EMS

BLS CAT 2 / ALS CAT 2 / 1.5 CEU Target Audience: Administrators

Medical and operational errors are a pervasive problem in EMS. Unfortunately, few solutions exist for this issue. Using techniques from other industries, this lecture will introduce you to root cause analysis, where people and systems are analyzed to learn how failures occur and how to prevent them. This lecture will apply these concepts to clinical, operational, communications and educational errors, as well as discuss relevant legal principles.

Instructor: Matthew R. Streger

LMGT-2015 'We Need to Talk,' Understanding the Process of Effective Communications for EMS Providers and Managers

BLS CAT 2 / ALS 92 / 1.5 CEU

Target Audience: All

Communication is an essential component of all aspects of providing EMS. Whether in regard to how we communicate with patients and their families, other emergency services providers (fire, police, etc.), hospital personnel, our EMS peers, or our superiors, it is an integral tool that directly effects the success of an organization from its most basic functions on up. This presentation focuses on communication skills and how to communicate effectively.

Instructor: Raphael M. Barishansky

MED-3013 Everything Alcohol

BLS 05 / ALS 76 / 1.5 CEU Target Audience: BLS, ALS

Everything you ever wanted to know about ethanol, and the toxic alcohols: methanol, ethylene and isopropyl. How to recognize use, abuse, and overdose. Once recognized, this talk will describe pre-hospital management and treatment of these ingestions.

Instructor: Brian Ekey

MED-3014 Patient Assessment: Thinking Outside the Box

BLS 02 / ALS 78 / 1.5 CEU Target Audience: BLS

The ability to perform an accurate patient assessment is one of the most important skills for the EMT. The information gained during the assessment is used to make decisions regarding emergency interventions, such as the need for immediate airway or circulatory management. Since this information is used in clinical decision-making, it is important that the assessment findings are interpreted correctly and efficiently. This session will offer a variety of clinical insights intended to clarify and reinforce the assessment skills of EMS providers already in use.

Instructor: Kevin McFarlane

OPE-4014 Mr. Ed Called 911 - Large Animal Rescue

BLS CAT 2 / ALS CAT 2 / 1.5 CEU

Target Audience: All

Everyone has seen the touching newspaper pictures showing fire and rescue personnel treating an animal. Have you ever asked if that's really our mission? This session will discuss basic information on the purpose of a Large Animal Rescue Team, how to use what equipment you already carry, discussions on how to initially handle an incident involving a large animal, and where your agency can get additional training will be provided.

Instructor: Everett Hinson

OPE-4015 "Is the Scene Safe?" -Emergency Medical Services and Law Enforcement Integration

BLS 02 / ALS CAT 2 / 1.5 CEU

Taraet Audience: BLS, Administrators

The threat of coordinated armed attack is one that has emerged as one of the most probable in modern homeland security preparedness. It is critical that EMS and law enforcement agencies are planning and training together to prepare for this threat. This discussion will describe the threat and provide a model frame work for agencies to use to consider in their own planning needs.

Instructor: Dennis Wood

PREP-5013 5 Rights EZ-IO, Didactic and Hands-On

BLS CAT 2 / ALS 86 / 1.5 CEU

Target Audience: RN, ALS, MD

This presentation covers 30-45 minutes

of didactic then hands-on for attendees. Didactic covers specifics for correct use including indications, contraindications, site identification, needle selection, technique for operating driver/inserting needle, stabilization of IO, use, care and maintenance of IO site, and trouble shooting

Instructor: Karen Hust

PREP-5014 How to Set the Table and Serve Bad News: Your (fill in) is Dead

BLS 02 / ALS 92 / 1.5 CEU

Target Audience: All

Death is part of our business, here and there hovering about and ever present. It is not even always the enemy, but surely it is around. Our personal beliefs about death and dying influence how we deal with it professionally as providers. This course will explore these topics as they relate to pre-hospital care. We'll discuss how we set the table, then serve bad news to folks, the ritual of death notification. This is especially important at a time in which we increasingly want to stay-and-play with resuscitation attempts.

Instructor: Charles J. Lane, MD

SPE-6015 Angels of Mercy Palliative Care at MCE

BLS 05 / ALS / 73 / 1.5 CEU

Target Audience: All

What do you do when confronted with hundreds of dying patients, the "expectant," amongst thousands of sick and injured? On the scene of an MCE (tidal wave, earthquake, epidemic or bioterrorism), when resources are inadequate, palliative care for the dying is the only humane solution

Instructor: Richard Beebe

SPE-6016 Overview of 2010 PALS (Pediatric Advanced Life Support) Guidelines

BLS 08 / ALS 84 / 1.5 CEU

Target Audience: BLS, ALS

"Oh, no! A call for a pediatric resuscitation???" This session will provide you with a comprehensive review of the updates made by the American Heart Association in 2010 regarding the Pediatric Advanced Life Support guidelines including an overview of the literature supporting the changes in the PALS guidelines. You will be prepared to provide up-to-date resuscitation care for pediatric patients after attending this session.

Instructor: Christopher M. Woleben, MD

10:30 AM - 12:00 PM Continued...

TRA-7015 Keeping the Red Stuff Where it Belongs

BLS 04 / ALS 83 / 1.5 CEU Target Audience: BLS, ALS

Blood is part and parcel of the EMS experience. This presentation will review the physiology of bleeding and coagulation, how that system functions under normal conditions and in disease states, including bleeding disorders. Common medications that affect bleeding will also be reviewed, as will new ideas about the control of bleeding in the field, including hemostatic agents and tourniquets. *Instructor: George Harris Lindbeck, MD*

TRA-7016 The Impact of Trauma on the Spine and Spinal Cord: A Look at Current Practice and Future Trends

BLS 04 / ALS 80 / 1.5 CEU Target Audience: BLS, ALS

EMS providers find themselves unable to reverse the effects of initial spinal trauma in the field. Therefore, we need to know what we can do to prevent secondary injury to the spine. Are patients being immobilized properly? Should we immobilize all trauma patients? Should c-spines be cleared in the field? This lecture will discuss the mechanisms associated with spinal trauma and different types of injuries incurred. Current treatment guidelines and literature-based future trends will be discussed.

Instructor: Leslie Caffrey Grant • Co-Instructor: Matt Payne

11:00 AM - 1:00 PM

ALS-310 Resuscitate a Patient in Cardiac Arrest

ALS 72 / 2 CEU

Target Audience: ALS

This program will provide CE for ALS area 72 only. You must attend the entire session to receive CE.

Instructor: TBD

1:30 - 5:00 PM

AIR-215 Advanced Airway Lab - REPEAT

BLS CAT 2 / ALS 88 / 3 CEU

Target Audience: ALS, RN, MD

Learn techniques in advanced airway management in a hands on airway class. Each student will have the opportunity to use new airway techniques, new technology, perform surgical airways, learn about advanced capnography, and intubate simulated difficult airways.

Instructor: Allen Yee, MD

Limited to: 30

CAR-517 Cardiac Arrest With a Team Approach - REPEAT

BLS 05 / ALS 73 / 1.5 CEU Target Audience: BLS, ALS

Resuscitation is only as successful as the team working the arrest. This class will use simulation manikins to provide the students with "hands on" training with an emphasis on students working as a team to successfully resuscitate the patient. Code simulation will include IV access techniques, airway procedures and multiple monitoring systems.

Instructor: Jeremy Scott Wampler • Co-Instructors: Joshua Wimer, Michael Arbaugh

Limited to: 30

1:30 - 3:00 PM

ADM-107 Virginia EMS Regulations - REPEAT

BLS 07 / ALS CAT 2 / 1.5 CEU

Target Audience: All

Every year providers, participants and consumers have questions on how do the EMS Regulations pertain to them; the "how come", "I heard" and "I know of someone who..." This interactive session will serve to break the myths and untruths regarding the application of the Virginia EMS Regulations for providers, agencies, OMD's and the consumers.

Instructor: Michael D. Berg

AIR-216Good Air In, Bad Air Out: Assessment of Oxygen and Ventilation

BLS 03 / ALS 88 / 1.5 CEU Target Audience: BLS, ALS

One of the primary goals of emergency medicine is to insure our patients are adequately oxygenated and ventilated. Clinical assessment of the patient occurs from the moment we access the patient, however all providers have access to several tools that can help refine that assessment, monitor the patient more closely, and provide an early indication of the need to intervene. However this technology is not without pitfall. The educated provider understands how the technology reflects the patient's physiology. In this interactive session, we will review respiratory physiology and examine three

technologies that are used to objectively assess the patient's oxygenation and ventilation

Instructor: Jeff W. Myers

CAR-518 Post Cardiac Arrest Syndrome

BLS 05 / ALS 74 / 1.5 CEU

Target Audience: All

Cardiac arrests that have return of spontaneous circulation in the field can be dramatic and complicated for the most experienced provider. After a successful cardiac resuscitation, a patient experiences a distinct post-cardiac arrest syndrome. This syndrome has a unique pathophysiology state and clinical presentation, requiring specific medical management. This session will outline management strategies and provide case presentations to reinforce this unique post-cardiac arrest syndrome.

Instructor: Michael Christopher Kurz, MD

CISM-608 My Wife Hates Me, My Kids Don't Know Me, and I Think I Have a Dog

BLS 05 / ALS 89 / 1.5 CEU

Target Audience: All

Instead of balancing our lives as we should, we all spend too much time somewhere to the detriment of the other areas in life. It could be work, hobbies, education, or anything that takes too much priority. This has an impact on all parts of our lives and can cause disastrous consequences. Find out what it means to balance your life for maximum enjoyment and hopefully get back to knowing those people you call friends and family.

Instructor: David Powers

EDU-817 How do Your Students Learn?

BLS CAT 2 / ALS CAT 2 / 1.5 CEU

Target Audience: Educators

Learning styles (visual, auditory, kinesthetic), left-brain/right-brain, and multiple intelligences which impact teaching and learning in the classroom will be covered in this presentation. Resources will be shared; such as checklists that could help teachers & students discover their strengths in each area, as well as activities that can be used in the classroom to assure the learning needs of all students are met.

Instructor: Denise May Hammond

1:30 - 3:00 PM Continued...

EDU-818 Textbooks as Curriculum – Death of Dinosaurs and the New EMS Education Standards

BLS CAT 2 / ALS CAT 2 / 1.5 CEU Target Audience: Educators

Traditional EMS education uses a knowledge centered curriculum that focuses on textbooks, workbooks and rote memorization. IPod laden, internet savvy students of today, with an average attention span of 90 seconds, demand interactive, technology driven curriculums that engage the student. This session will discuss student centered curriculum and its relationship to the new National Education Standards.

Instructor: Richard Beebe

Limited to: 40

HEA-1017 Health and Wellness in the World of EMS-Where Do You Fit In?

BLS CAT 2 / ALS CAT 2 / 1.5 CEU Target Audience: All

In the fast paced, high stress world of EMS, providers can easily neglect their own health and wellness. This presentation will discuss why that neglect is ultimately more detrimental to the provider as well as their patients. Through examining what factors lead to unhealthy eating, fatigue and poor performance, we will identify the tools providers need to manage these things, feel better and excel at their job.

Instructor: Stacey Noelle Schellhammer • Co-Instructor: Laura Whitlow

LMGT-2016 Performance Management for Emergency Services Providers

BLS CAT 2 / ALS CAT 2 / 1.5 CEU

Target Audience: BLS, ALS

Performance management is the systematic process by which an agency involves its employees, as individuals and members of a group, in improving organizational effectiveness in the accomplishment of agency mission and goals. In present times agencies are being tasked to do more with less, and as such, departments are shifting added responsibilities to floor personnel. This class will provide additional knowledge on creating an effective working environment and how to achieve employee buy in.

Instructor: Andrew Waters

LMGT-2017 Tough Talking BLS CAT 2 / ALS CAT 2 / 1.5 CEU

Target Audience: Administrators

No one enjoys being the bad guy. As it turns out, you don't have to be. Among the most important skills for a supervisor to possess is the ability to have a critical or potentially unpleasant conversation with an employee or co-worker. This session will teach both aspiring and current leaders how to identify the need for a tough conversation, and will provide them with tips on conducting it to ensure a positive outcome.

Instructor: Timothy McKay

Limited to: 30

MED-3015 Behavioral Issues and the Legal Ramifications

BLS 05 / ALS 89 / 1.5 CEU

Target Audience: All

TDO, ECO, how does the EMT make sense of these acronyms? Who needs one, who can get one, and how does one get issued? Furthermore, what are the legal ramifications of treating a patient with one, or who may require one? These and many other questions regarding the often encountered "patient with a behavioral emergency" will be answered in simple and plain English.

Instructor: Eleanor Erwin, MD

MED-3016 When Hard Becomes Harder: Medical and Trauma Considerations in the Immunocompromised Patient

BLS 05 / ALS 89 / 1.5 CEU

Target Audience: BLS, RN, ALS

This course will provide a review of the immune system, examine types of immunocompromised patients and appropriate assessment, recognize patients with an acute onset of immunocompromise, and recognize immunocompromise in the pediatric patient population. There will also be discussion on physiological changes in the immunocomprimsed patient during medical or traumatic events and when and how treatment modality should be altered based on these assessment findings.

Instructor: Laura Elizabeth Summers

OPE-4016 EMS Preplanning

BLS CAT 2 / ALS CAT 2 / 1.5 CEU

Target Audience: BLS, Administrators
To firefighters, preplanning buildings for
fire events is second nature. However,
little thought is put in to preplanning

for potential EMS issues. Agencies need to begin looking at facilities in their response area that may require a heavier response during special situations. This could include buildings with special needs populations, events that may create a large volume of EMS calls, and any mass gathering.

Instructor: Karen C. Owens

OPE-4017 The Big One's Here: Taking Care of Mine and Ours

BLS CAT 2 / ALS CAT 2 / 1.5 CEU

Target Audience: All

Fire and EMS personnel are called upon to respond to every type of incident, including disasters. Selfless individuals respond to the call of duty without a thought for their own regard. However, providers are not immune to disasters. This presentation explores this issue and offers tips to those in attendance to lessen the impact that a disaster may have on them and allow them to fulfill their duties without worry.

Instructor: James R. Williams

PREP-5015 Fireground Operations for EMS-Only Personnel

BLS CAT 2 / ALS CAT 2 / 1.5 CEU Target Audience: BLS, RN, ALS

This course is specifically structured for non-firefighter trained EMS personnel in order to increase awareness regarding fireground operations from both suppression and EMS standpoints. This program will encompass fire behavior, operational/tactical considerations, and the impact that these elements can have on the medical conditions and traumatic injuries that may affect both civilians and firefighters

Instructor: Matthew Verlaque • Co-Instructors: Benjamin O'Bryant, E. Reed Smith

PREP-5016 Vaccines/Immunizations

BLS 06 / ALS 89 / 1.5 CEU

Target Audience: All

In this session all recommended vaccines and immunizations recommended for healthcare personnel will be reviewed. Discussion will include why this is important and how this benefits both care providers and administration. CDC published new information in December, 2011, so hear what is new!

Instructor: Katherine H. West

1:30 - 3:00 PM Continued...

SPE-6017 Pediatric Assessments

BLS 08 / ALS 85 / 1.5 CEU Target Audience: BLS, ALS

This course is designed to help BLS and ALS providers work through assessment of the pediatric patient. This course pays special attention to the ABC's and what to do for them if there is a problem. We will discuss different management techniques and why one may be more appropriate than others. Also this course will cover practicing techniques for assisting ventilations with a bag valve mask and intubations along with IV and IO practice. The class would be divided up into teams of three to six. With all teams being given the same scenarios that they will treat based on questions asked and assessment of their patients. This course is limited to 30 students.

Instructor: Theresa Ellen Guins, MD

Limited to: 30

SPE-6018 'Grandpa, Grandpa, Are You Alright?' EMS and the Elder Patient

BLS 02 / ALS 78 / 1.5 CEU Target Audience: All

The complications of the aging process, multiple diagnoses, multiple medications, and a host of other factors make our elderly patients among our most challenging. Equally important is our attitude towards these patients, and how it can help or hinder us in rendering care. We will explore both the medical and personal side of caring for the elderly patient, including an opportunity see what it feels like to be elderly.

Instructor: Glenn H. Luedtke

TRA-7017 EMS for the Burn Patient: A **Review**

BLS 04 / ALS 90 / 1.5 CEU Target Audience: BLS, ALS

There is more to dealing with and treating the patient of a burn injury then knowing the four kinds of burns and the four degrees of burn. Do you treat with wet or dry dressings? What is the "rule of nines" vs. the "rule of palms"? How come admissions from structural fires make up only 5% of all burn center admissions yet constitute 50% of all burn center fatalities? Instructor: Norman W. Rooker

TRA-7018 Hemostasis for the Field Provider

BLS 04 / ALS 83 / 1.5 CEU Target Audience: BLS, RN, ALS

The talk will discuss the role of tourniquets and novel topic hemostatics in controlling hemorrhage. In addition, we will discuss the role of permissive hypotension in controlling hemorrhage in the field.

Instructor: Babak Sarani, MD

2:00 - 5:00 PM



BLS-408 Practical Skills

BIS9/3CFU

Target Audience: BLS

This is the eighth class in the BLS

Academy. Participants will work hand-on in a variety of practical stations to complete the 3 hours of required skills refresher. This class will be taught utilizing the latest Virginia Practical Examination Skill Sheets

Instructor: Paul Fleenor

2:00 - 4:00 PM

ALS-311 Provide Care to a Patient **Experiencing CV Compromise**

ALS 73 / 2 CEU

Target Audience: ALS

This program will provide CE for ALS area 73 only. You must attend the entire session to receive CE.

Instructor: TBD

3:30 - 5:00 PM

ADM-108 Firehouse Lawyers

BLS 07 / ALS CAT 2 / 1.5 CEU

Target Audience: BLS, ALS

This session jumps into medical legal issues regarding Virginia specific cases. Instructor will cover many EMS and fire related cases that have happened right here in Virginia and how those cases may impact your decisions on how you provide care, what you do on calls and how you prepare for future calls. Case precedence can be very influential in the court of law. One of the most important cases in Virginia EMS law will be covered regarding negligence and sovereign immunity. The old adage "I'm just the driver" and how that impacted the case with two paramedics on the ambulance will be covered. Come take your turn at being a "firehouse lawyer" and share your opinions on the cases presented. Instructor not providing any legal advice, merely here to review cases.

Instructors: Melissa Doak, Matthew Streger

AIR-217 Common Pediatric Respiratory Illnesses / Emergencies

BLS 08 / ALS 85 / 1.5 CEU

Target Audience: BLS, RN, ALS

Understanding common upper and lower respiratory illness in the pediatric population can be a daunting task for even the most seasoned EMS provider. This session will provide an overview of the common upper and lower airway illnesses frequently encountered in the Pediatric population, from diagnosis to manage-

Instructor: Christopher M. Woleben, MD

CAR-519 Don't Go Breaking My Heart

BLS 05 / ALS 73 / 1.5 CEU

Target Audience: All

Is your patient having a heart attack, is it COPD exacerbation or is it CHF? If it is CHF, is it right, left or both? This course will review the mechanics of blood flow throughout the body that can help the provider better determine a field diagnosis. We all hear terms like "preload", "afterload" and "cardiac output", but do we really understand how to relate it to patient presentation and treatment? Standard treatments, controversies surrounding some of these treatments and potential changes on the horizon will be discussed. Instructor: Marilyn K. Mcleod, MD • Co-Instructor: Jason Ferguson

EDU-819 Doodle! Are Your Students Learning or Distracted?

BLS CAT 2 / ALS CAT 2 / 1.5 CEU

Target Audience: Educators

Look into your classroom; are some students focused intently while others seem distracted as they fidget, draw, or are on cellphones? Are they bored or listening, maybe researching something said or preventing themselves from distractions? This presentation will explore classroom distractions and various techniques, such as doodling, that students may use to improve concentration. Don't forget to bring a pad of paper and a pen, I won't be offended!

Instructor: Kyle David Bates

3:30 - 5:00 PM Continued...

EDU-820 Items Under Construction: How to Create Valid and Reliable ExamsBLS CAT 2 / ALS CAT 2 / 1.5 CEU

Target Audience: Educators

Just because we teach, they don't necessarily learn. How should we measure achievement of objectives? Even the most seasoned educators cringe when it comes to creating valid and reliable written exams. We have subjected students to tests without blueprints, tables of specifications, objective mapping, or use of appropriate psychometric principles. In reality, it just takes adherence to some simple guidelines to take your tests from failing to fabulous! Come learn the language of item writing and take away practical tips that you can use immediately make your exams spectacular!

Instructor: Connie Jean Mattera

EVAC-905 Simulation Lab for Flight Crew: A Way to Determine Strengths and Weaknesses

BLS CAT 2 / ALS 88 / 1.5 CEU

Target Audience: BLS, RN, Administrators
This presentation will provide you with information regarding the benefits to utilizing a Simulation Lab for interviews and on-going training. Through the use of SIM Lab, you will encounter scenario training requiring critical thinking and conflict resolution. Difficult airway training/ scenarios will also be reviewed with the mannequin. Instructor: Dianna Swink Coffey • Co-Instructor Stephanie McKinney

HEA-1018 I'm Safe, Are They?

BLS CAT 2 / ALS CAT 2 / 1.5 CEU

Target Audience: All

From the first day that an individual begins their career in EMS, scene safety and their safety is seared upon their brains. However, how much consideration is put into patient safety? This session will discuss several areas where pre-hospital providers can enhance and ensure that the patients they are caring for are safe, and reach the hospital in no worse a condition than what they were on the initial assessment.

Instructor: James R. Williams

LMGT-2018 Put the "Lead" Back Into Leadership

BLS CAT 2 / ALS CAT 2/ 1.5 CEU

Target Audience: All

Emergency service organizations must al
33rd Annual Virginia EMS Symposium

ways ensure the "core functions" of leadership are constantly on the "radar screen" of your leadership team. In this session, Chief Loy Senter and Chief Mark Nugent will review critical topics, including: process management, safety, fiscal responsibility, and sustainable; all essential to assist your current and future leaders in moving the organization in a positive direction.

Instructor: Edward Loy Senter • Co-Instructor: Mark Nugent

LMGT-2019 Social Media, The Good, the Bad, and the Ugly

BLS CAT 2 / ALS CAT 2 / 1.5 CEU

Target Audience: All

The methods of social media at our fingertips can be a wonderful addition to marketing our department as well as informing the public of various events. However, social media is becoming our own worst enemy. This class will provide the knowledge required to be able to adequately and safely use social media to your agency's advantage. We will also cover the "what not to do's", as that seems to be where we are failing ourselves.

Instructor: Andrew Waters

MED-3017 OB/GYN for BLS Providers

BLS 10 / ALS CAT 2 / 1.5 CEU

Target Audience: BLS

Join us for this presentation on OB GYN emergencies for the BLS provider. This session will review anatomy, assessment and treatment of the OB/GYN patient and review emergency childbirth and resuscitation of the newly born.

Instructor: Gene McDaniel

MED-3018 When Lightning Strikes: A Journey to Death and Back

BLS 04 / ALS 89 / 1.5 CEU

Target Audience: BLS, RN, ALS

Did you know that lightning is one of the leading weather-related causes of death and injury in the US? We will delve into one such case in which a boy was struck by lightning, killed, and resuscitated. Please join us to review this amazing case study in which we explore many facets of lightning injuries and what we, as EMS providers, need to know to take care of these critical patients.

Instructor: Leslie Caffrey Grant • Co-Instructor: Matt Payne

●**OPE-4018 Chemical Suicides-Managing Emerging Threats to Public Safety and Healthcare Workers

BLS 02 / ALS 76 / 1.5 CEU

Target Audience: All

This course presents case studies of two chemical suicides involving aluminum phosphide in Loudoun County. The session will examine the patient's pre-hospital course through the unique hospital considerations of treatment and handling of the body. Participants can identify if their system is ready for a similar incident. Attend and review what was required to eliminate the hazards so providers, hospital and medical examiner staff didn't' also become patients.

Instructor: Randall L. Shank • Co-Instructors: Michael Johnson, Karin Kerby

OPE-4019 Responder Rehab... Not Just a Coffee Wagon Anymore

BLS CAT 2 / ALS CAT 2 / 1.5 CEU
Target Audience: BLS, Administrators

The history of emergency service organizations provides support for long term incidents through Auxiliary organizations. However, responder health and safety initiatives, including the NFPA 1584 standard, provide clinical methodology for adequate provider rehabilitation. This shift in thinking is essential to stem significant risks of injury, illness, and death in the responder population. Our industry must embrace improved techniques by establishing formal rehabilitation programs.

Instructor: Dennis Wood

OPE-4020 Terrorism Awareness - How Well Are You Prepared?

BLS CAT 2 / ALS CAT 2 / 1.5 CEU

Target Audience:

We will cover the tactics and techniques of current terrorist organizations and review several recent attacks. Attendees will be exposed to some graphic images. Mr. Watson will cover some pre-assault indicators and go over the role that EMS can/will play in the next terrorist attack. How well are you prepared for the next terrorist attack?

Instructor: Matt Watson

PREP-5017 Row, row, row Your Backboard!

BLS 09 / ALS 80 / 1.5 CEU

Target Audience: BLS

This is a hands-on workshop to improve all providers' shallow water, spinal immo-

bilization skills. Practice includes stabilizing a patient found in shallow water, in a face up & face down position with the head splint technique, followed by immobilization on a backboard. Swimming ability not required. Students will get in the water.

Limited to: 16 *Instructor: Kim Wright*

3:30 - 5:00 PM Continued...

SPE-6019 Apparent Life Threatening Events in Infants (ALTE)

BLS 08 / ALS 91 / 1.5 CEU Target Audience: All

EMS providers must recognize Apparent Life Threatening Events (ALTE) in infants and should maintain a high index of suspicion when confronted with such a case. In this session, we will review skeletal anatomy and discuss Mechanism of Injury for specific orthopedic trauma. We'll look at how to evaluate and decide on emergent vs non emergent treatment, and discuss principles of extremity immobilization and stabilization.

Instructor: Kevin McFarlane

SPE-6020 EMS for the Elderly: AMS & Trauma

BLS 04 / ALS 78 / 1.5 CEU Target Audience: BLS, Educators

Two of the more challenging calls for EMS responders at all levels are the elderly AMS pt and the elderly trauma pt. AMS is not a part of the aging process and why do elderly trauma pts have a 4 times higher mortality rate than their younger counterparts? Come find out which battle proven assessment &TX strategies.

Instructor: Norman W. Rooker

SPE-6021 Pediatric Assessments - REPEAT

BLS 08 / ALS 85 / 1.5 CEU Target Audience: BLS, ALS

This course is designed to help BLS and ALS providers work through assessing the pediatric patient. This course pays special attention to the ABC's and what to do for them if there is a problem. We will discuss different management techniques and why one may be more appropriate than others. (For example, as whether to use BLS techniques for management of the Airway or the need for intubation or IV vs. IO attempts). The class would be divided up into teams of three to six. With all teams

being given the same scenarios that they will treat based on questions asked and assessment of their patients. This course is limited to 30 students.

Instructor: Theresa Ellen Guins, MD

Limited to: 30

TRA-7019 Act Fast: Introduction to Trauma and Vascular Ultrasound

BLS CAT 2 / ALS CAT 2 / 1.5 CEU Target Audience: ALS, MD, DO

Bedside ultrasound has become an essential diagnostic tool in the Emergency Department, used almost as often as a stethoscope and penlight. Bedside ultrasound has become a mainstay in US military forward hospital settings. Portable ultrasound technology is available and some EMS systems are beginning to deploy units in the field. This session provides background on bedside ultrasound and discusses its usefulness in evaluating and treating patients in the field.

Instructor: Jeff W. Myers

Sunday Courses 9:00 - 11:00 AM

ALS-312 Provide Post Resuscitation Care to Cardiac Arrest Patient

ALS 74 / 2 CEU

Target Audience: ALS

This program will provide CE for ALS area 74 only. You must attend the entire session to receive CE.

Instructor: TBD

BLS-409 OB-Gyn Emergencies

BLS 10 / 2 CEU

Target Audience: BLS

This is the ninth and final class in the BLS Academy. Attendees will review and discuss Obstetric and Gynecological emergencies in the BLS patient. This class will be taught to the new Virginia EMS Education Standards.

Instructor: Karen C. Owens

HEA-1019 Krav Maga for EMS

BLS CAT 2 / ALS CAT 2 / 2 CEU

Target Audience: All



As EMS providers we can find ourselves in dangerous situations with law enforcement several minutes away. What can we do to stay safe? Krav Maga is an Israeli fighting art that stresses simple techniques that are easy to use and remember. These tactics can help keep providers from becoming a patient themselves. Proper mind-set and awareness will also be discussed. Attendees are asked to be capable of some strenuous exercise.

Instructor: Matt Watson

Limited to: 16

LMGT-2020 Best Practices in "Preventive Medicine"

BLS CAT 2 / ALS CAT 2 / 2 CEU

Target Audience: All

With the dynamics of providing EMS delivery to your community changing every day, your organization should always be poised to meet the ever-changing demand. In this session, Chief Loy Senter and Chief Mark Nugent will review several proven "Best Practices" utilized by some of the outstanding emergency service organizations across the nation; proving the adage "An ounce of prevention is worth a pound of cure".

Instructor: Edward Loy Senter • Co-Instructor: Mark Nugent

MED-3019 Stayin Alive...Contemporary Cardiac Arrest Management

BLS 05 / ALS 72 / 2 CEU Target Audience: BLS, ALS

Cardiac arrest situations require a careful orchestration of many EMS skills: chest compressions, defibrillation, airway access (maybe), ventilatory assistance (maybe), vascular access, electrical therapy, circulatory support, dysrhythmia management and the ability to think fast on your feet! The steps are well articulated in algorithms and classes across the country, but are they always applied appropriately or effectively? Why is quality CPR essential and how can that best be achieved? What airway access methods are most practical and useful? How can we optimize confirmation of effective ventilations? How can EMS personnel better administer drugs and perform rapid defibrillation on a timely basis? Should we be using devices to enhance cardiac compressions and improve circulation? Should we be resuscitating the patient at all? What if we achieve ROSC? What therapies are indicated? These questions and more will be discussed as we explore the pit-crew approach to treating a pulseless patient.

Instructor: Connie Jean Mattera

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9:00 - 11:00 AM Continued...

● OPE-4021 Chemical Suicides-Managing Emerging Threats to Public Safety and Healthcare Workers - REPEAT

BLS 02 / ALS 76 / 1.5 CEU Target Audience: All

This course presents case studies of two chemical suicides involving aluminum phosphide in Loudoun County. The session will examine the patient's pre-hospital course through the unique hospital considerations of treatment and handling of the body. Participants can identify if their system is ready for a similar incident. Attend and review what was required to eliminate the hazards so providers, hospital and medical examiner staff didn't' also become patients.

Instructor: Randall L. Shank • Co-Instructors: Michael Johnson, Karin Kerby

● OPE-4022 Tactical Emergency Casualty Care: A New Paradigm for High Risk Pre-Hospital Medicine

BLS 02 / ALS 78 / 1.5 CEU Target Audience: All

The tactical combat casualty care (TCCC) battlefield medical guidelines were de-

veloped for the military population, not civilians. So, to address the need for civilian application, the Tactical Emergency Casualty Care (TECC) guidelines were developed. Based on TCCC but accounting for the many differences in the civilian environment, TECC is a set of best practice recommendations for aggressive patient management in all civilian high threat and mass casualty scenarios.

Instructor: E. Reed Smith, MD • Co-Instructor: Geoff Shapiro

PREP-5018 Pharmacology Concepts for BLS Providers

BLS 05 / ALS CAT 2 / 1.5 CEU

Target Audience: BLS

This session will introduce BLS providers to the key concepts of Pharmacology and review the classification and drug profiles recommended for use in assisted patient administration.

Instructor: Gene McDaniel

SPE-6022 Pediatric Rapid Cardiopulmonary Assessment- the PAT's, ABC's and CAB of it All!

BLS 08 / ALS 84 / 2 CEU Target Audience: BLS, ALS

This presentation will assist pre-hospital care providers in developing a systematic approach to pediatric assessment and to make a reliable determination of which assessment practice is most appropriate for the situation. We will explore the PAT's, ABC's, and CAB's as tools in pediatric assessment.

Instructor: Patricia Dusty Lynn

TRA-7020 Trauma Case Studies: Trauma Gone Wild, you Can't Make This Stuff Up!

BLS 04 / ALS 78 / 1.5 CEU Target Audience: BLS, ALS

This presentation will provide you with trauma case studies that will leave you saying, How'd they do that and survive? We will discuss the outstanding EMS care in rural settings that provided the patient with the best possible outcome. Through rapid assessment and excellent pre-hospital care, that unbelievable call will leave you saying how did they survive!

Instructor: Dianna Swink Coffey • Co-Instructor: Stephanie McKinney

Symposium Seminars & Meetings

Medevac Committee

Wednesday, November 7 10 a.m.

Workforce Development Committee

Wednesday, November 7 10 a.m.

EMS Advisory Board

Wednesday, November 7 1 p.m.

Communications Committee

Thursday, November 8 11 a.m.

Financial Assistance Review Committee

Thursday, November 8 1 p.m.

Virginia Association of Governmental EMS Agencies

Thursday, November 8 7 p.m.

For meeting locations, visit the registration desk on the 3rd floor of the Marriott

Symposium Steering Committee

Gary R. Brown

Symposium Chariman Director, Virginia Office of EMS

Scott Winston

Symposium Co-Chairman Assistant Director, Virginia Office of EMS

Irene Hamilton

Executive Secretary Senior Virginia Office of EMS

Bill Meadows

Program Committee, Chairman

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At-large Member

Ken Crumpler

Virginia Office of EMS

Melissa Doak

At-Large Member

Donna Galganski-Pabst

Consumer

Jim Kelly

At-large Member

Michael Kurz, MD

At-large Member, VCU Health System

Matt Lawler

Central Shenandoah EMS Council

Karen Owens

Virginia Office of EMS

Heather Phillips

Virginia Office of EMS

Tim Perkins

Virginia Office of EMS

Steve Rasmussen

Virginia Emergency Nurses Association

Ray Whatley

Northern Virginia EMS Council

Allen Yee, MD

Consumer

Exhibit Hall Information

Exhibit Hall Hours

Thursday, Nov. 8, 2 - 7 p.m. • Friday, Nov. 9, 9 a.m. - 2 p.m. & 4:45 - 7 p.m. • Saturday, Nov. 10, 9 a.m. - noon

Vendors

1/2	Fisher Sportswear	39	MED3000	71	Delmar/Cengage Learning
3	EMS Consultants	40	RedStorm Fire & Rescue Apparatus	98	National Registry of EMT's
4/5	Fire & Safety Equipment Co.	41	Norfolk Fire-Rescue	99	Select Custom Apparatus, Inc.
6	Priority Dispatch Corporation	42	CAE Healthcare (Formerly METI)	100	Elsevier/Mosby-Jems
7	Physicians Transport Service	44	Emergency Stuff.com		·
8	Fire Engine Collectibles	45	Channing Bete Company	Hall	way Tables:
9	EMS/MC	46	Pharm Guard	T3	JMA, LLC
10	Whelen Engineering	47	Impact Instrumentation	T5	Virginia Department of
11	James City County Fire/EMS	48	East Coast Emergency Vehicles		Fire Programs
12	Oceansidetees	49	Stryker	T6	Medical Transport, LLC
13-15	MES, Inc	50	BEC/Plastic Card Solutions	T8	VAVRS
16	EMSAR	51/52	UVA - Pegasus	T10/	11 Cayce / Reily School of
17	ESO Solutions	53	Maryland Fire Equipment		Massotherapy
19	Davis Defense Group	54	Physio-Control	T12	Virginia EMS for Children
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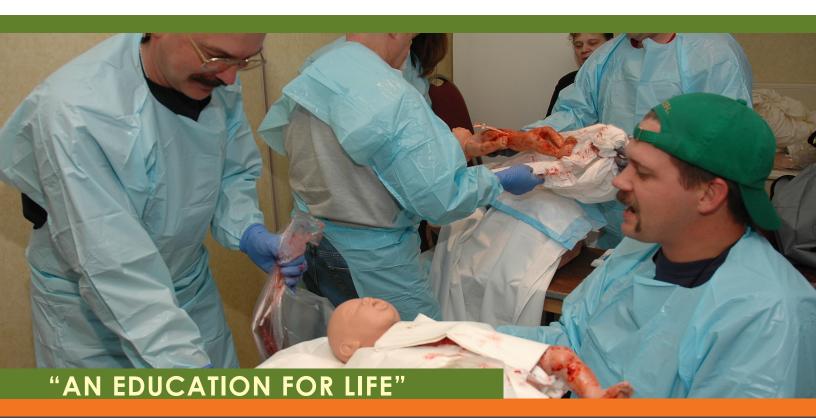
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